



Beginning with Series Code AN

H14/H17/H22 SERIES ELECTRIC FRYERS

Service & Parts Manual

 **Frymaster®**

CFESA
Commercial Food Equipment Service Association

Frymaster, a member of the Commercial Food Equipment Service Association, recommends using CFESA Certified Technicians.

24-Hour Service Hotline 1-800-551-8633

AUG 2005

* 8195 / 94 *

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 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.

 **DANGER**

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

 **DANGER**

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

 **DANGER**

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

 **DANGER**

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

 **DANGER**

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

⚠ WARNING

Do not use water jets to clean this equipment.

⚠ DANGER

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

⚠ WARNING

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

Electrical Requirements

| MODEL | VOLTAGE | PHASE | WIRE SERVICE | MIN. SIZE | AWG (mm ²) | AMPS PER LEG | | |
|---|---------|-------|--------------|-----------|------------------------|--------------|----|----|
| | | | | | | L1 | L2 | L3 |
| H14 | 208 | 3 | 3 | 6 | (16) | 39 | 39 | 39 |
| H14 | 240 | 3 | 3 | 6 | (16) | 34 | 34 | 34 |
| H14 | 480 | 3 | 3 | 8 | (10) | 17 | 17 | 17 |
| H14 | 220/380 | 3 | 4 | 6 | (16) | 21 | 21 | 21 |
| H14 | 240/415 | 3 | 4 | 6 | (16) | 20 | 20 | 21 |
| H14 | 230/400 | 3 | 4 | 6 | (16) | 21 | 21 | 21 |
| ALL EPH14 SERIES (SOLID STATE) | 208 | 3 | 3 | 6 | (16) | 39 | 39 | 39 |
| | 240 | 3 | 3 | 6 | (16) | 34 | 34 | 34 |
| | 220/380 | 3 | 4 | 6 | (16) | 21 | 21 | 21 |
| | 240/415 | 3 | 4 | 6 | (16) | 20 | 20 | 20 |
| H17 | 208 | 3 | 3 | 6 | (16) | 48 | 48 | 48 |
| H17 | 240 | 3 | 3 | 6 | (16) | 41 | 41 | 41 |
| H17 | 480 | 3 | 3 | 6 | (16) | 21 | 21 | 21 |
| H17 | 220/380 | 3 | 4 | 6 | (16) | 26 | 26 | 26 |
| H17 | 240/415 | 3 | 4 | 6 | (16) | 24 | 24 | 24 |
| | 230/400 | 3 | 4 | 6 | (16) | 25 | 25 | 25 |
| ALL | 208 | 3 | 3 | 6 | (16) | 48 | 48 | 48 |
| EPH17 SERIES (SOLID STATE) | 240 | 3 | 3 | 6 | (16) | 41 | 41 | 41 |
| | 220/380 | 3 | 4 | 6 | (16) | 26 | 26 | 26 |
| | 240/415 | 3 | 4 | 6 | (16) | 24 | 24 | 24 |
| H22 | 208 | 3 | 3 | 4 | (25) | 61 | 61 | 61 |
| H22 | 240 | 3 | 3 | 4 | (25) | 53 | 53 | 53 |
| H22 | 480 | 3 | 3 | 6 | (16) | 27 | 27 | 27 |
| H22 | 220/380 | 3 | 4 | 6 | (16) | 34 | 34 | 34 |
| H22 | 240/415 | 3 | 4 | 6 | (16) | 31 | 31 | 31 |
| H22 | 230/400 | 3 | 4 | 6 | (16) | 32 | 32 | 32 |

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H14/H17/H22 SERIES ELECTRIC FRYERS

CHAPTER 1: SERVICE PROCEDURES

1.1 General

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

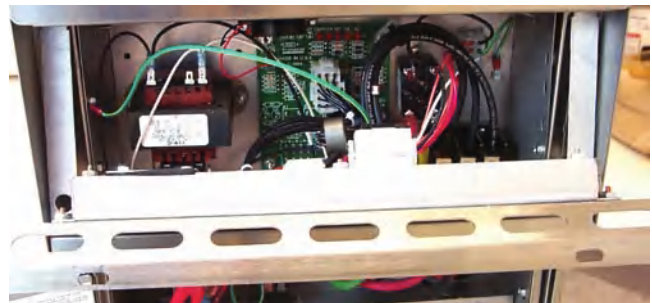
When electrical wires are disconnected, it is recommended that they be marked in such a way as to facilitate re-assembly.

1.2 Replace Computer/Controller

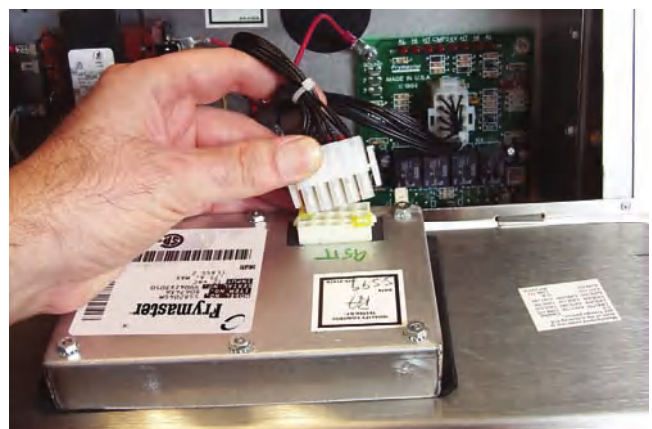
1. Unscrew and remove two control panel screws.



2. Control panel is hinged at the bottom and will swing open from the top.

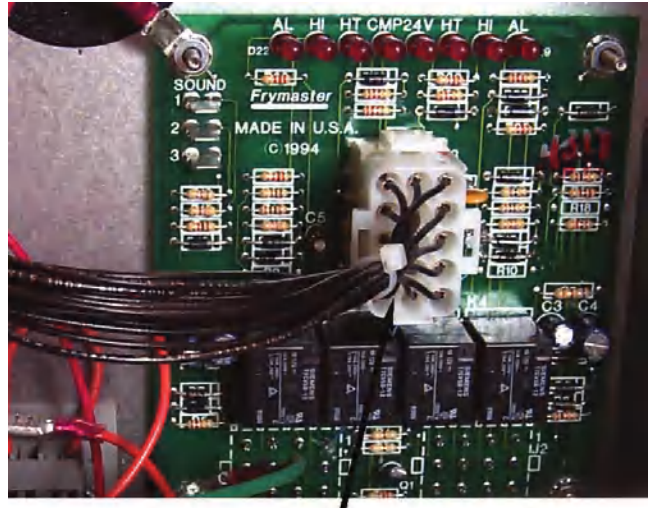


3. Unplug wiring harness at plug on back of controller.
4. Control panel including controller can be removed by lifting the assembly from the hinged slots in the control panel frame.
5. Reverse procedures to install new controller.



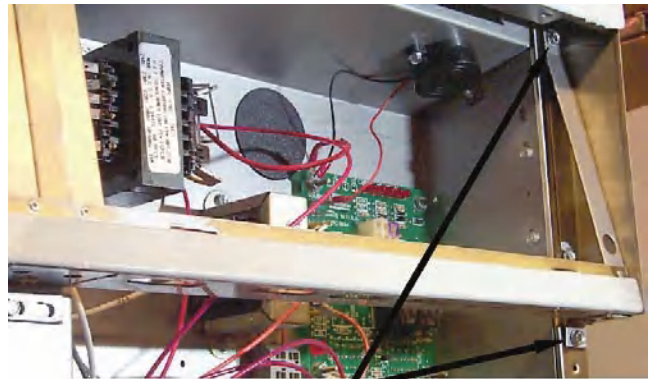
1.3 Replace Interface Board

1. Unplug all power cords. Perform Procedure 1.2, Steps 1-4, Replace Computer/Controller.
2. Unplug wire harness from the interface board. Remove all wiring from the terminals of the interface board, ensuring that each wire is marked for reattachment.



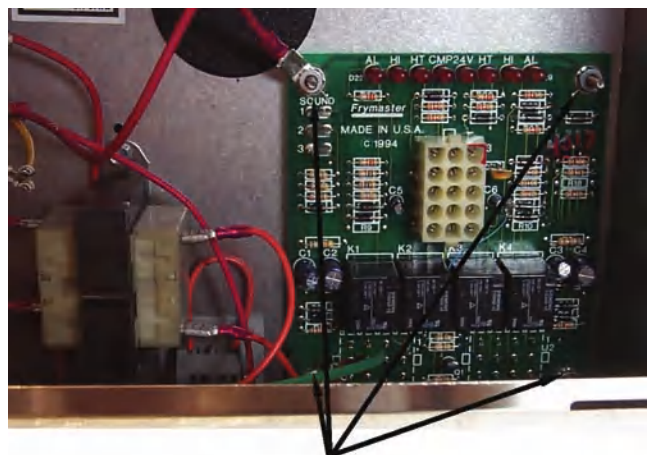
Wire harness/connector

3. Remove the screws securing the control panel frame. Set the control panel frame/screws aside.
4. Remove the screws securing the top cap. Set the top cap/screws aside.
5. Remove the screws securing the component box. Set the component box drop down enough so that the wire harness can be unplugged from the back of the assembly.



Screws securing control panel frame

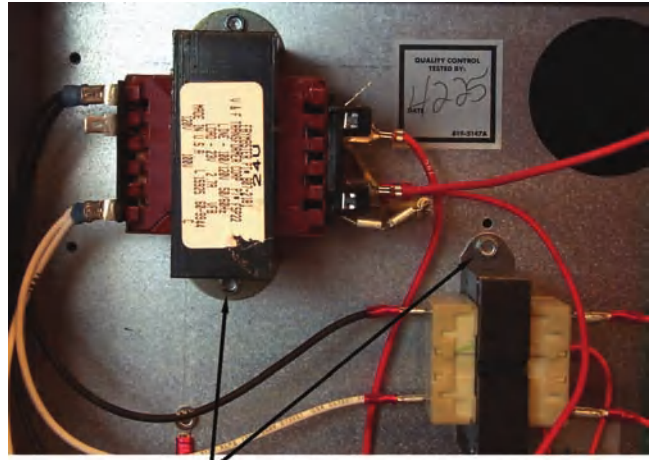
6. Remove the nuts from each corner of the interface board and slide the board from the studs. Ensure that standoffs remain in place on studs, prior to installing new interface board. Install the new interface board by reversing the previous procedures. Ensure that wire harnesses are connected to back of interface board prior to securing component box. Also ensure that wiring and wire harnesses are connected to the proper terminals.



Nuts securing interface board

1.4 Replace Transformer

1. Unplug all power cords. Perform Procedure 1.2, Steps 1-4, Replace Computer/Controller.
2. Remove all wiring from the terminals of the transformer to be replaced.
3. Remove the screws that secure the transformer to the component box.
4. Install the new transformer by reversing the preceding procedures. Make sure you reconnect the wiring to the proper terminals and the harnesses to the correct connectors.



Screws securing transformers

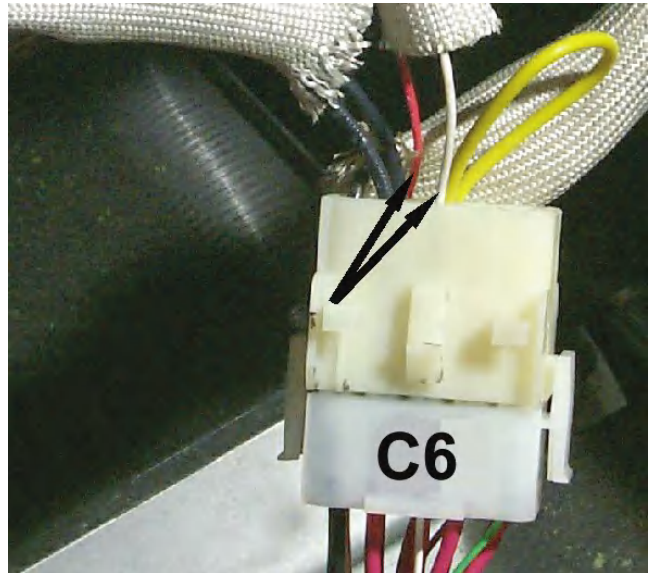
1.5 Replace Temperature Probe

1. Unplug fryer from the electrical source.
2. Drain the cooking oil from the frypot.
3. Remove the fryer from the exhaust hood to gain access to the rear of the fryer.
4. Remove the screws from the top, center and bottom back covers. Set the covers and screws aside.
5. Remove the screws securing the tilt housing cover. Set the tilt housing cover aside.

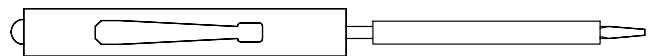


Screws securing back covers and tilt housing

6. Disconnect the wire harness containing the probe wiring. It may be necessary to remove the wire ties.
7. Use a pin-pusher (P/N 806-4855 or P/N 807-0928—see Section 1.7) to remove the probe wires from the connector. Mark each wire for re-assembly.

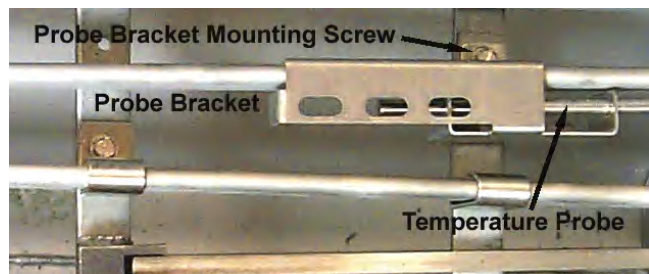


Use a pin-pusher to remove probe wires from connector

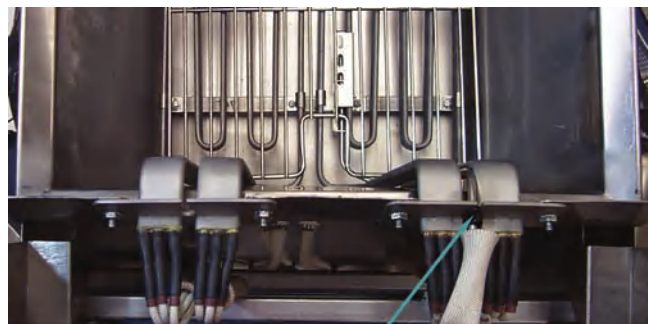


Pin-pusher (Frymaster P/N 806-4855)

8. Remove the screw(s) securing the probe bracket to the element.

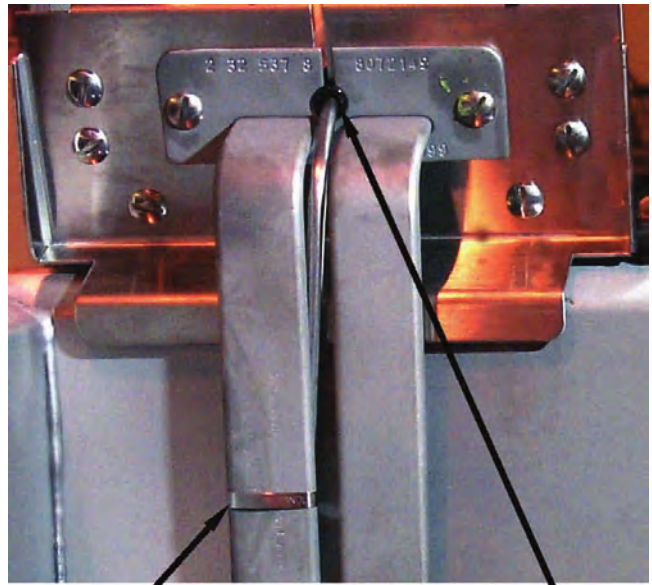


9. Thread the probe wire through the hole in the tilt plate assembly and remove the probe and the securing components from the element.
10. Remove the probe from the probe bracket. Place the new probe into the bracket.



Thread probe wire through hole in tilt plate assembly, then remove probe and components from element.

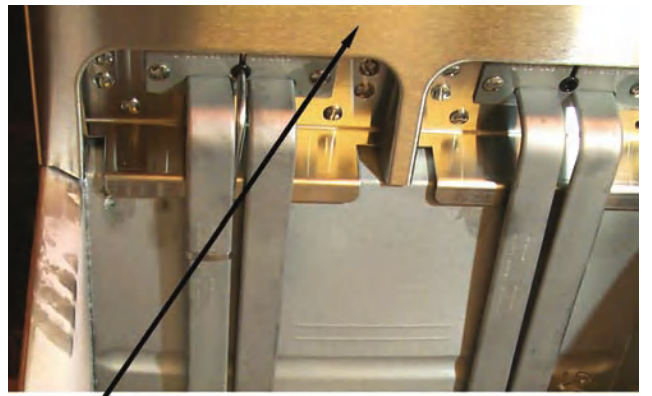
11. Place the new temperature probe assembly onto the element and secure with the screws removed earlier. Clip the probe onto the rear of the element. The temperature probe assembly should be oriented in the same manner as the probe being replaced.
12. Thread the probe wires into the harness connector as removed in Step 7.
13. Lower the element into the frypot.



Secure probe to element with metal wire-wrap

New probe assembly properly installed in tilt plate

14. Place the tilt housing cover over the tilt housing assembly and secure with screws
15. Install the top, center and bottom back covers and secure with screws.

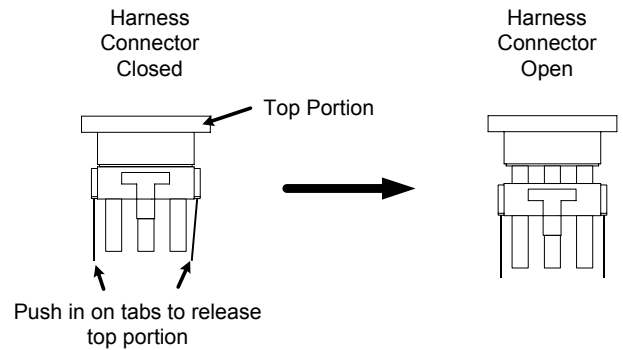


Tilt housing cover in place

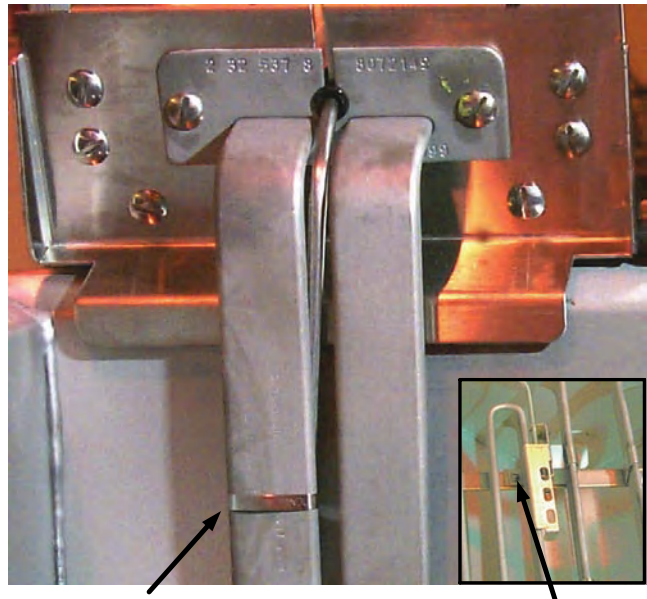
1.6 Replace Heating Element

1. Perform Procedure 1.5, Replace Temperature Probe, Steps 1-7.

2. Remove the element wires from the connector. Press down on either side of the connector while pulling up on the top portion. The connector will open from the top. Pull all wires from the connector.



3. Remove the screws securing the temperature probe bracket from the element. Remove the probe clamp (metal wire-wrap). Set the temperature probe and probe-securing components aside.



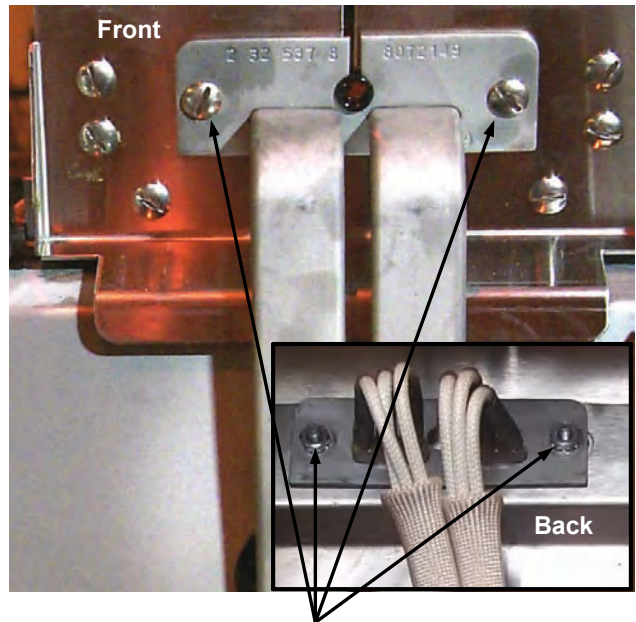
Remove probe clamp (metal wire-wrap), and screws securing probe bracket to element.

4. Disconnect the element springs.



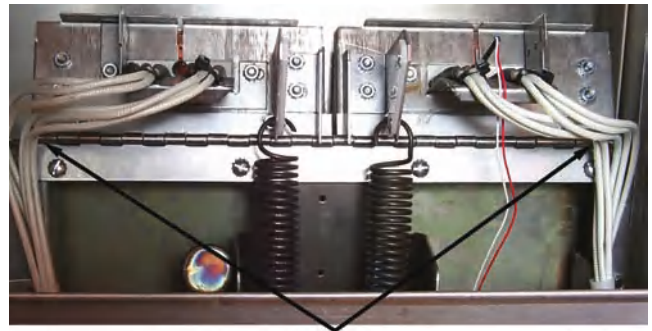
Disconnect element springs here

5. Remove the element mounting-screws and pull the element out of the frypot (split-vats). On full-vat elements, remove the element clamps and hardware before removing mounting-screws and nuts on the defective element.
6. Install the replacement element in the frypot and secure with the mounting screws removed in Step 5.
7. Re-install the temperature probe and probe-securing components onto the replacement element.

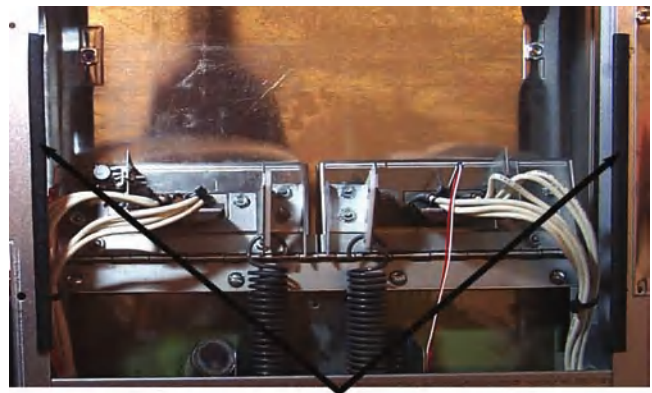


Element mounting-screws and nuts. (Inset Photo-back of tilt plate)

8. Route the element leads (terminals) to the rear of the fryer. Ensure that chafing guards are in place to prevent wire chafing while raising and lowering elements.



Proper element-wire routing is essential to prevent wire chafing while raising and lowering elements.



Chafing guards on cabinet edges also help prevent wire chafing while raising and lowering elements.

9. When replacing the right element (as viewed from the rear of the fryer), insert pin terminals into the corresponding pin-holes in the 6-pin connector. When all pin terminals have been fully inserted, close the connector by sliding the halves together until the tabs snap back into place (reverse procedure in Step 2).

10. When replacing the left element (as viewed from the rear of the fryer), use the 9-pin connector, inserting the leads from the replacement element and closing the connector, see previous step.

11. Insert the connector(s) into the receptacle(s) on the rear of the contactor box, ensuring that the latches lock the connectors in place (see Step 9).

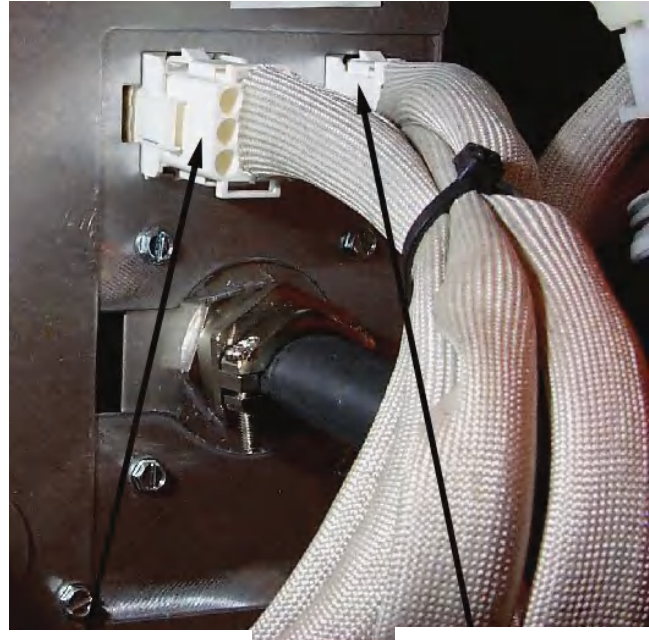
12. Install the temperature probe wires (marked for re-assembly) in the corresponding pin locations.

13. Reconnect the element spring.

14. Place the tilt housing cover over the tilt housing assembly and secure with screws.

15. Install covers and secure with screws.

16. Position fryer under exhaust hood.

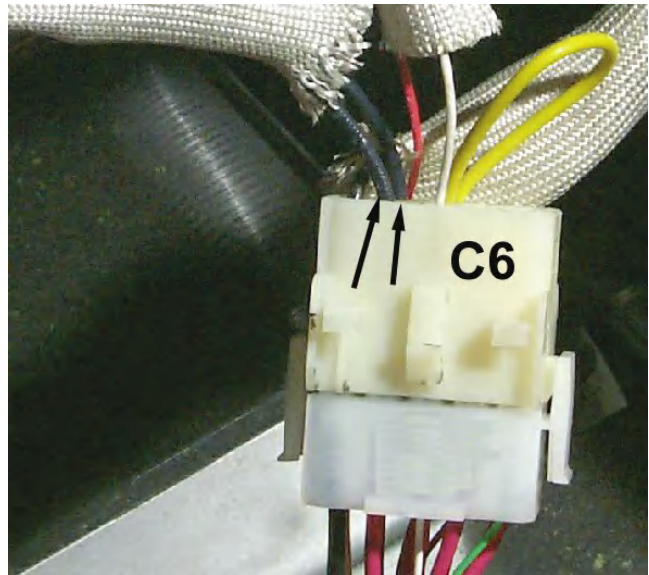


Left Element—
9-Pin Connector

Right Element—
6-Pin Connector

1.7 Replace High-Limit

1. Perform Procedure 1.5, Replace Temperature Probe, Steps 1-4.
2. Disconnect the wire harness containing the high-limit wires.
3. Use a pin-pusher (P/N 806-4855 or P/N 807-0928) to remove the two high-limit wires from the wire harness connector. For split-pot fryers, remove only the wires for the high-limit to be replaced. Mark each wire for re-assembly.
4. Remove the high-limit from the frypot using an open-end wrench or other suitable tool.
5. Apply Loc-Tite PST 567 sealant to the replacement high-limit threads.
6. Screw the replacement high-limit into the frypot and tighten securely. **DO NOT OVERTIGHTEN.**
7. Insert the replacement high-limit wires into the proper pin-holes in the connector. The same two pin-holes from which the defective high-limit wires were removed.
8. Reconnect the wire harness connector.
9. Install and secure the back covers.
10. Position the fryer under the exhaust hood.



Proper element-wire routing is essential to prevent wire chafing while raising and lowering elements.



Pin Pusher— P/N 807-0928



Place wrench here when removing and installing high-limit.

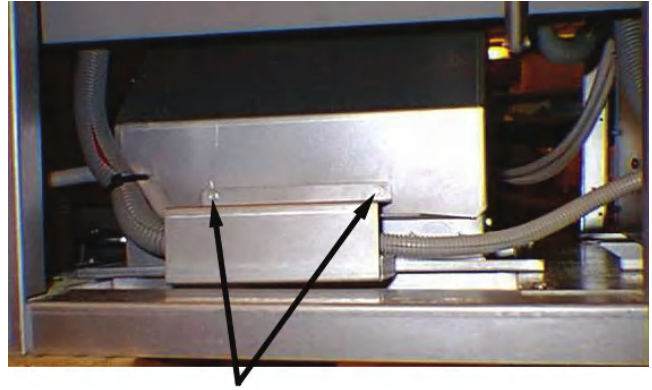
1.8 Replace Frypot

1. Perform Procedure 1.5, Replace Temperature Probe, Steps 1-7.
2. Perform Procedure 1.2, Replace Computer/Controller, Steps 1-6.
3. Disconnect the wire harness containing the high-limit wires.
4. Use a pin-pusher to remove the high-limit wires from the wire harness connector.
5. Remove the high-limit from the frypot.
6. Disconnect the wire-harnesses connected to the contactor box.
7. Remove the screws securing the capping piece from the fryer. Remove the capping piece and set aside. It may be necessary to remove the wiring covers from the front of the contactor box.
8. If the fryer has a built-in filtration system, remove all the plumbing from the frypot, including rear-flush and square-drain plumbing.
9. Remove the screws securing the frypot to the front frame of the fryer.
10. Carefully lift the frypot from the cabinet.
11. Remove the drain valve from the old frypot and install on the new frypot.
12. Apply Loc-Tite Sealant PST 567 to the high-limit threads. Install the high-limit into the new frypot.
13. Disconnect the tilt plate springs from the old frypot.
14. Remove the securing screws from the tilt plate. Lift the tilt plate/heating element assembly from the old frypot and install on the new frypot.
15. Follow the preceding steps in reverse to install the new frypot into the fryer.
16. NOTE: Apply Loc-Tite Sealant PST 567 to all pipefittings prior to installation.

1.9 Replace Contactor

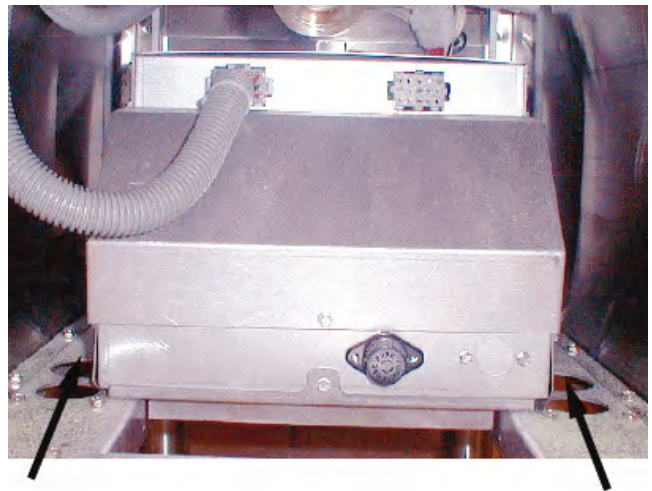
1. Perform Procedure 1.4, Replace Temperature Probe, Steps 1-3.
2. Remove the screws securing the bottom and center rear access covers. Set the screws and covers aside.

3. If present, remove the screws securing the wiring covers to the front of the contactor box (**optional on old-style contactor boxes**). Set the screws and covers aside.
4. Disconnect the wire harnesses from the front and rear of the contactor box.



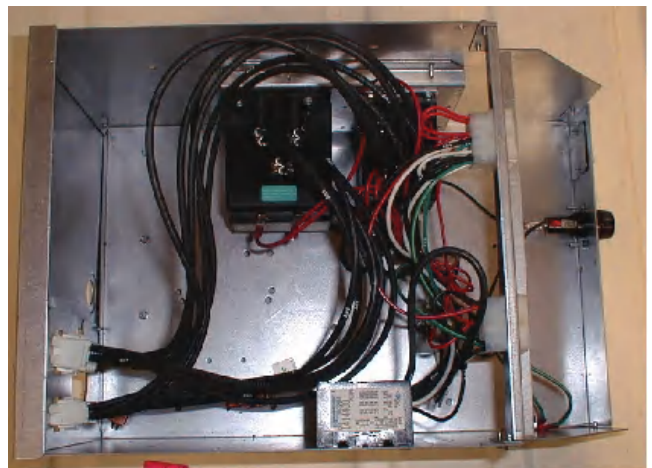
Screws securing wire cover to contactor box (optional on old-style contactor boxes)

5. Remove the screws securing the contactor box to the bottom frame of the fryer.
6. Pull the contactor box through the access opening in the rear of the fryer.
7. Remove the screws securing the contactor box cover. Set the screws and covers aside.



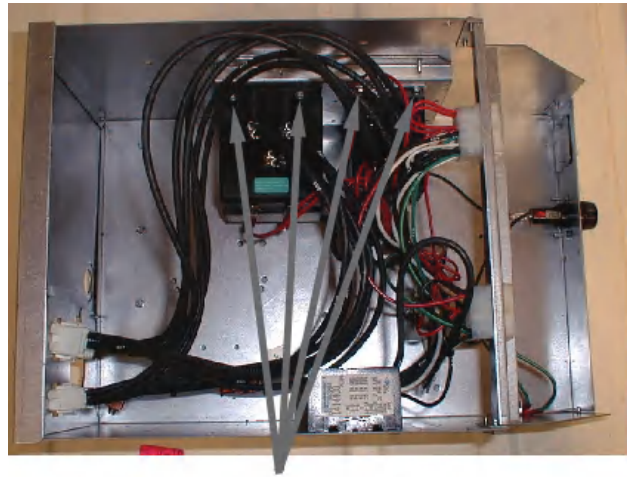
Screw location securing contactor box to bottom frame

8. Remove all wiring connected to the contactor terminals inside the contactor box. Mark each wire for re-assembly.



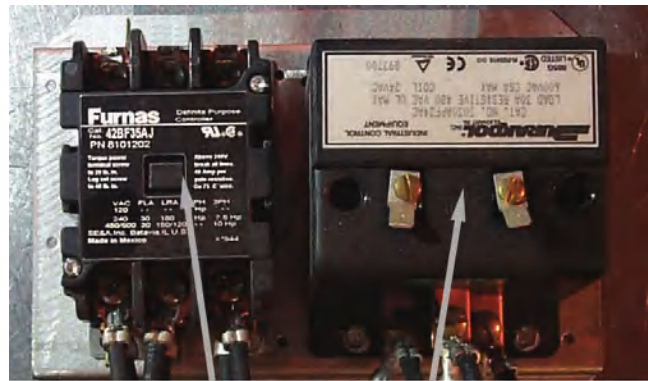
Mark each wire for re-assembly, then remove all wiring connected to the contactor(s) to be replaced.

9. Remove the contactor mounting screws and remove the contactor.



Contactor mounting screws

10. Install the new contactor and connect the wiring removed in Step 8.
11. Install the contactor box by following the previous steps in reverse order.



Latching Contactor Mercury Contactor

1.10 Built-in Filter System Service Procedures

Filtration Problem Resolution

One of the most common errors 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 major cause of filter 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-ring on the bottom of the filter pan is present and in good condition. A missing or worn O-ring allows the pump to take in air and decreases its efficiency. Also, oil leaks on the floor each time a vat is drained.

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.

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, thus 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 or shortening.

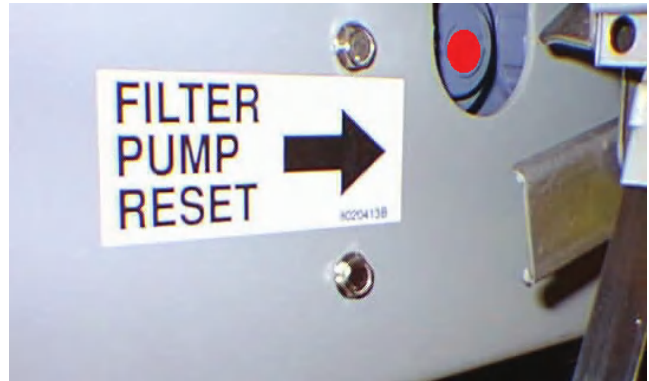
Cold oil and shortening are more viscous, causing the pump motor to load up and overheat.

If the motor runs but the pump does not, 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.

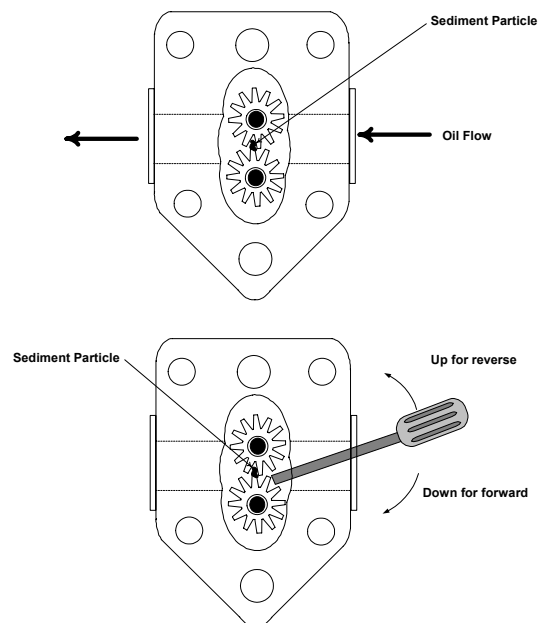
Remove the input plumbing from the pump.



Reset switch location: Old-style FPIII



Reset switch location: New-style FPIII



Freeing a seized pump.

Use a screwdriver to manually turn the gears, in which:

- 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.

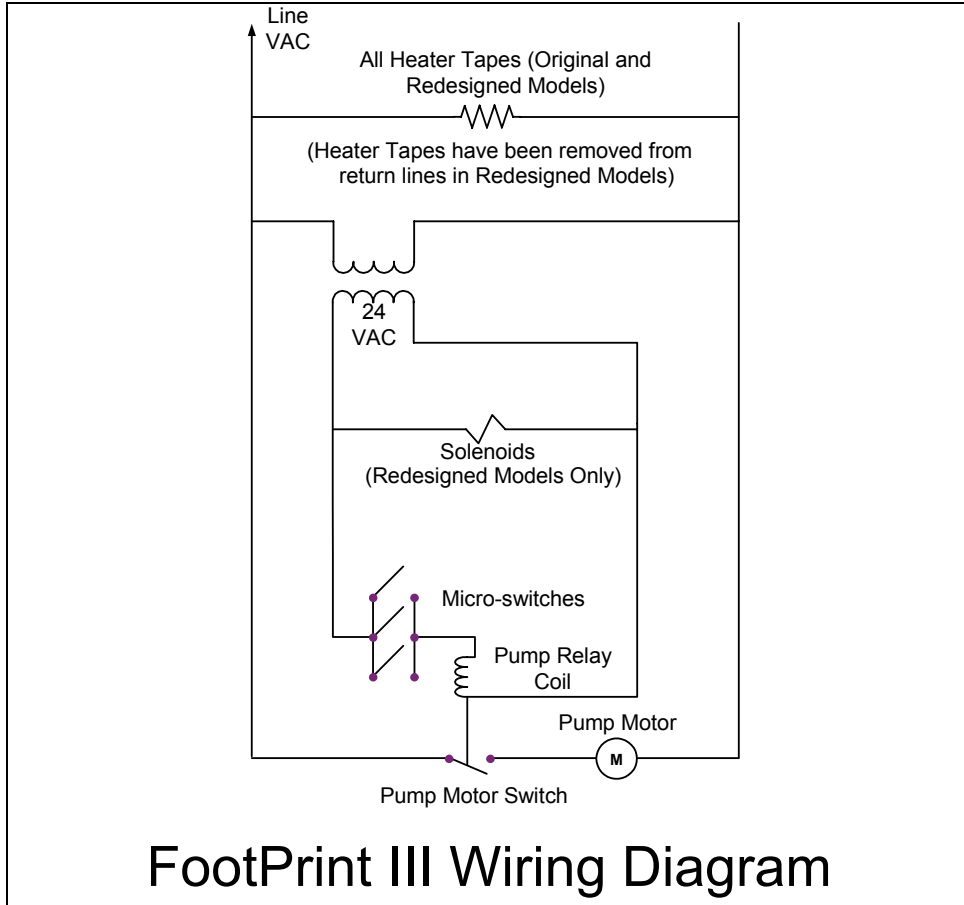
Incorrectly sized or installed paper/pads will also allow food particles and sediment to pass through and clog the suction tube on the bottom of the filter carriage. Particles large enough to block the suction tube may indicate that the crumb tray is not being used.

Pan blockage can also occur if shortening is left in the pan and allowed to solidify. The heater strip on the suction tube is designed to prevent residual shortening from solidifying in the tube. Heater strips do not prevent residual shortening from solidifying in the pan.

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.

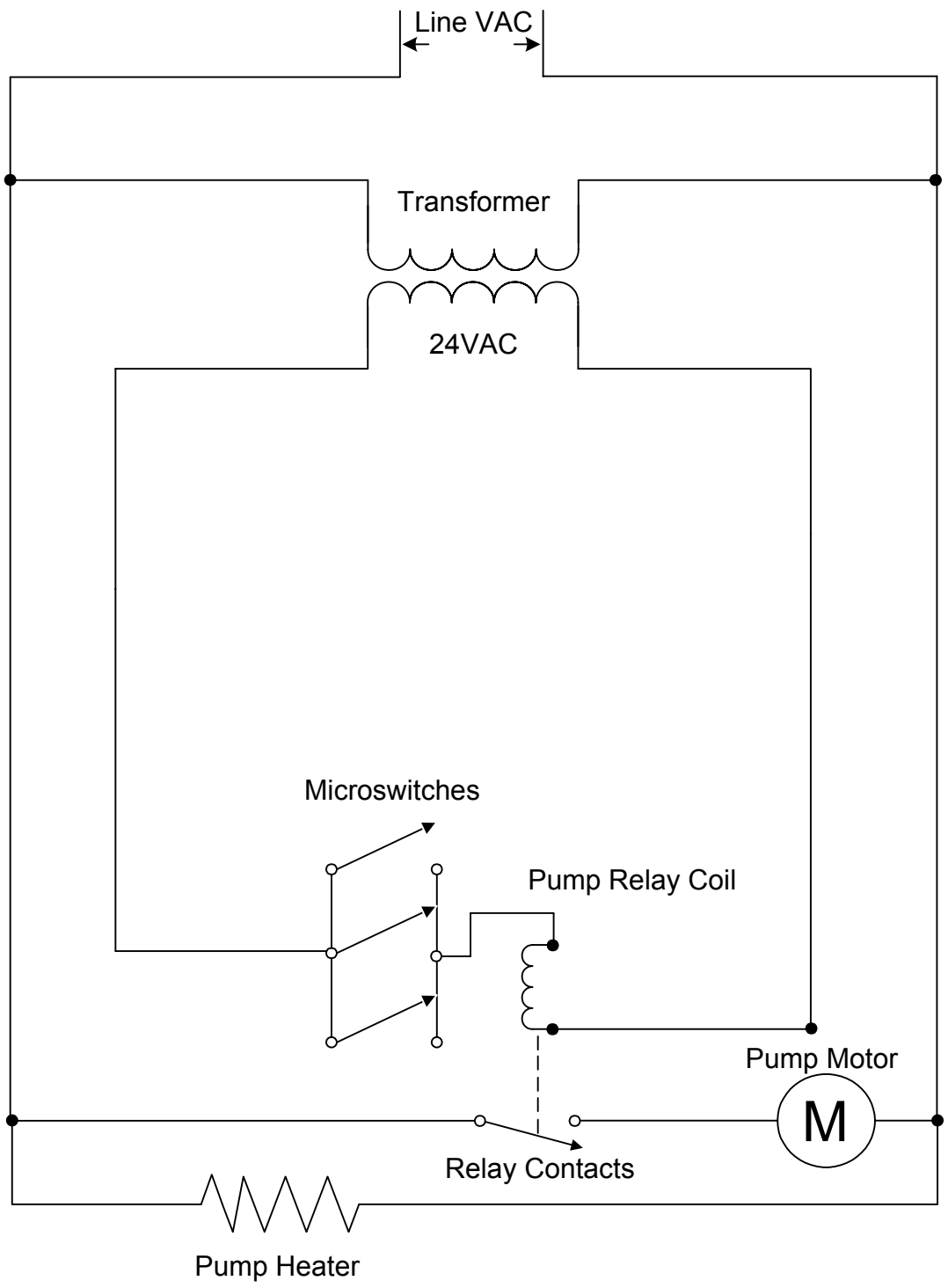
For FootPrint III systems built before October, 1999, all heater tapes are wired directly into the line VAC source (see wiring diagram, page 1-15). They remain energized as long as the unit is plugged in. In systems built in October, 1999 and later, oil return line heater tapes have been eliminated. In these units, the only heater tape used is on the suction tube and pump. This tape is still wired directly into the line voltage. A pair of vacuum-breaking solenoids is wired into the 24 VAC circuit.

The redesigned FP III is distinguished from the original design by the absence of casters on the filter base assembly. The redesign incorporated an improved oil return system that allows oil/shortening to drain back to the filter pan when the filter system is turned off, eliminating the need for most heated oil return components.



Operation of the redesigned FP-III system is the same as for the original design.

| ORIGINAL VS REDESIGNED FP-III FILTRATION SYSTEM | |
|--|--|
| Original System | Redesigned System |
| Return lines and manifolds wrapped with silicone strip heaters and aluminum tape. | No heater strips or aluminum tape on return lines. |
| Filter base assembly connected to unit with a black, heated return hose beneath the filter. | Non-heated Teflon hose with a swivel joint connects the filter base assembly to the unit above the filter. |
| Filter base assembly equipped with swivel casters. | Filter base assembly has no casters. |
| Operator-removable filter base assembly. (Filter base assembly stop-locks in cabinet can be rotated to remove tray.) | Filter base assembly is not removable except by a qualified service technician. (Filter base assembly stop-locks fitted with a screw and nut to prevent filter removal.) |
| Oil/shortening remains in return lines when filter system is turned off. | Oil/shortening drains back to the filter pan when filter system is turned off, leaving no oil or shortening in return lines. |
| Return drain-manifolds are constructed with pipe nipples, elbows and other plumbing components. | Return drain manifolds are one-piece with an in-line solenoid valve to facilitate drain to filter pan. |



Filter Magic Simplified Wiring Diagram

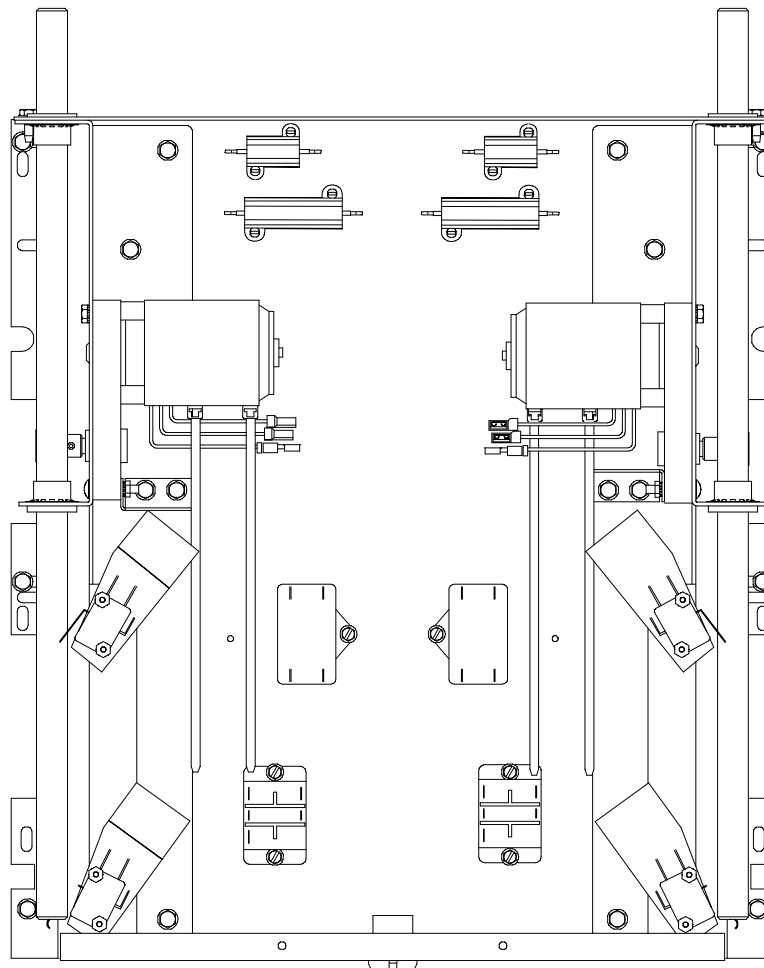
1.11 Basket Lift Service Procedures

H14/H17/H22 Series fryers may optionally be equipped with automatic basket lifts to ensure uniform cooking times. Basket lifts will always come in pairs, although each operates independently.

All electric fryers are equipped with “modular” basket lifts.

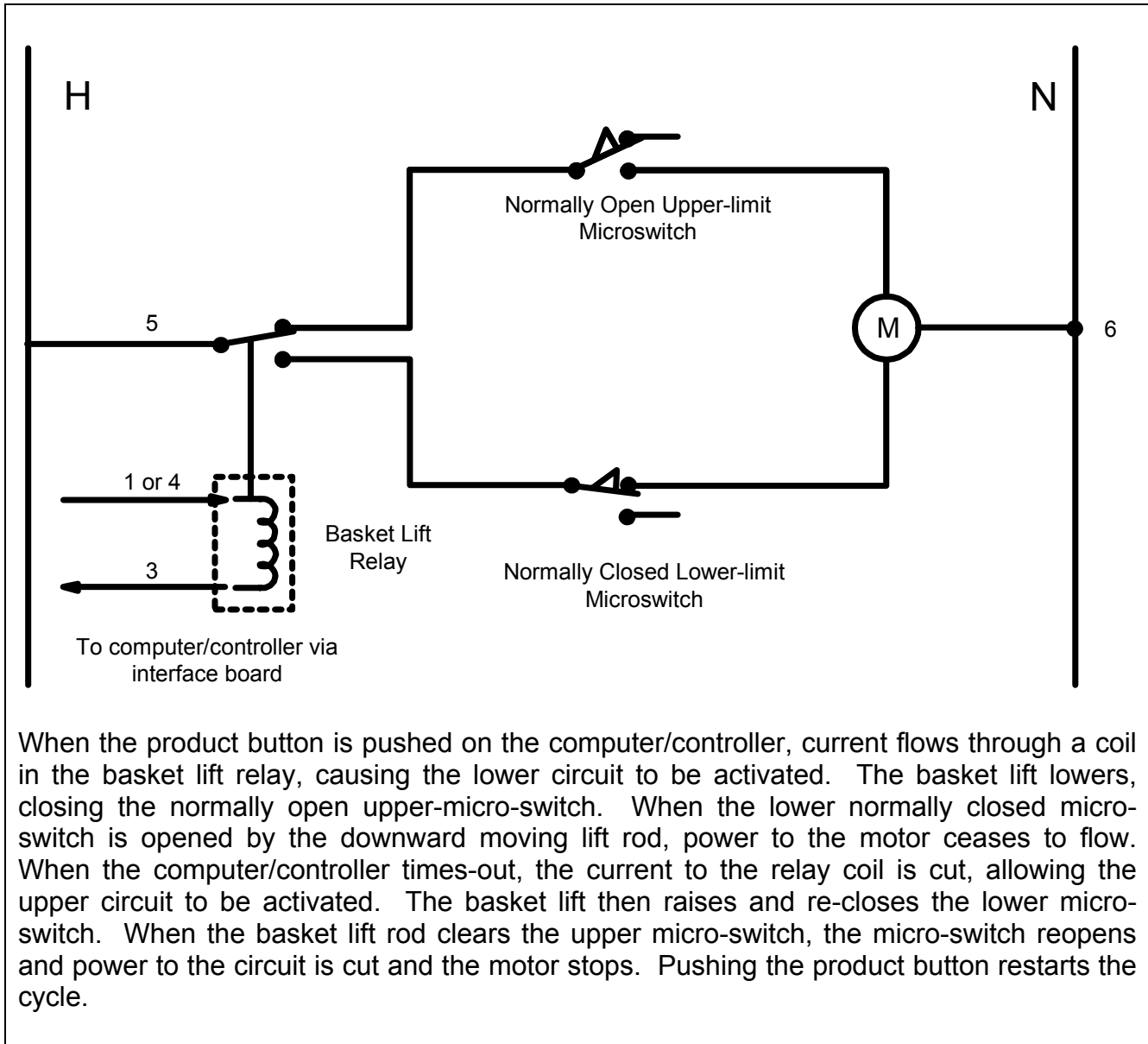
A **modular basket lift** (illustrated below) consists of a toothed rod to which the basket lift arm is attached, a reversible-drive gear motor, and a pair of roller-activated microswitches. The gear motor engages the teeth in the rod, moving it up or down, depending upon the direction of rotation of the motor. Microswitches at the upper and lower limits of movement stop the motor 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.



Modular Basket Lift Assembly (Typical)

Simplified Schematic



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

- Binding/jamming problems
- Motor and gear problems
- Electronics 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.

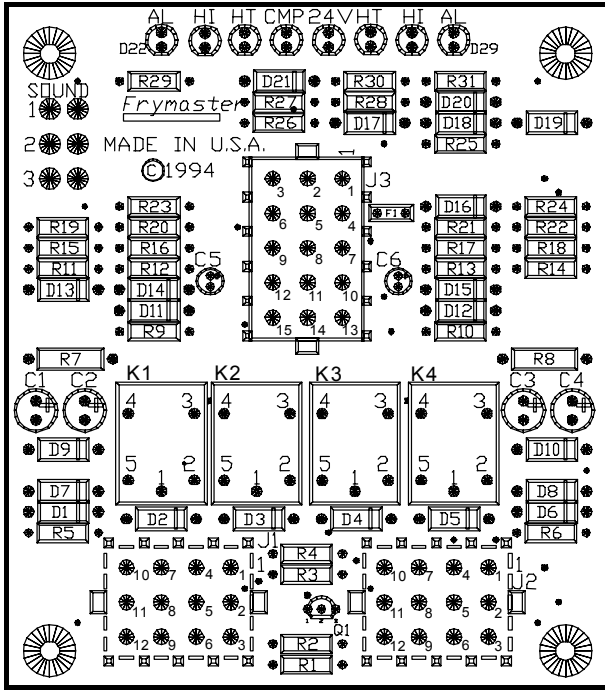
ELECTRONICS PROBLEMS

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-type 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 accompanying simplified wiring diagrams identify the components and wiring connection points.

1.12 Electric Interface Board Diagnostic Chart

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



Note: The sealed relays are not replaceable. If a relay fails the interface board must be replaced.

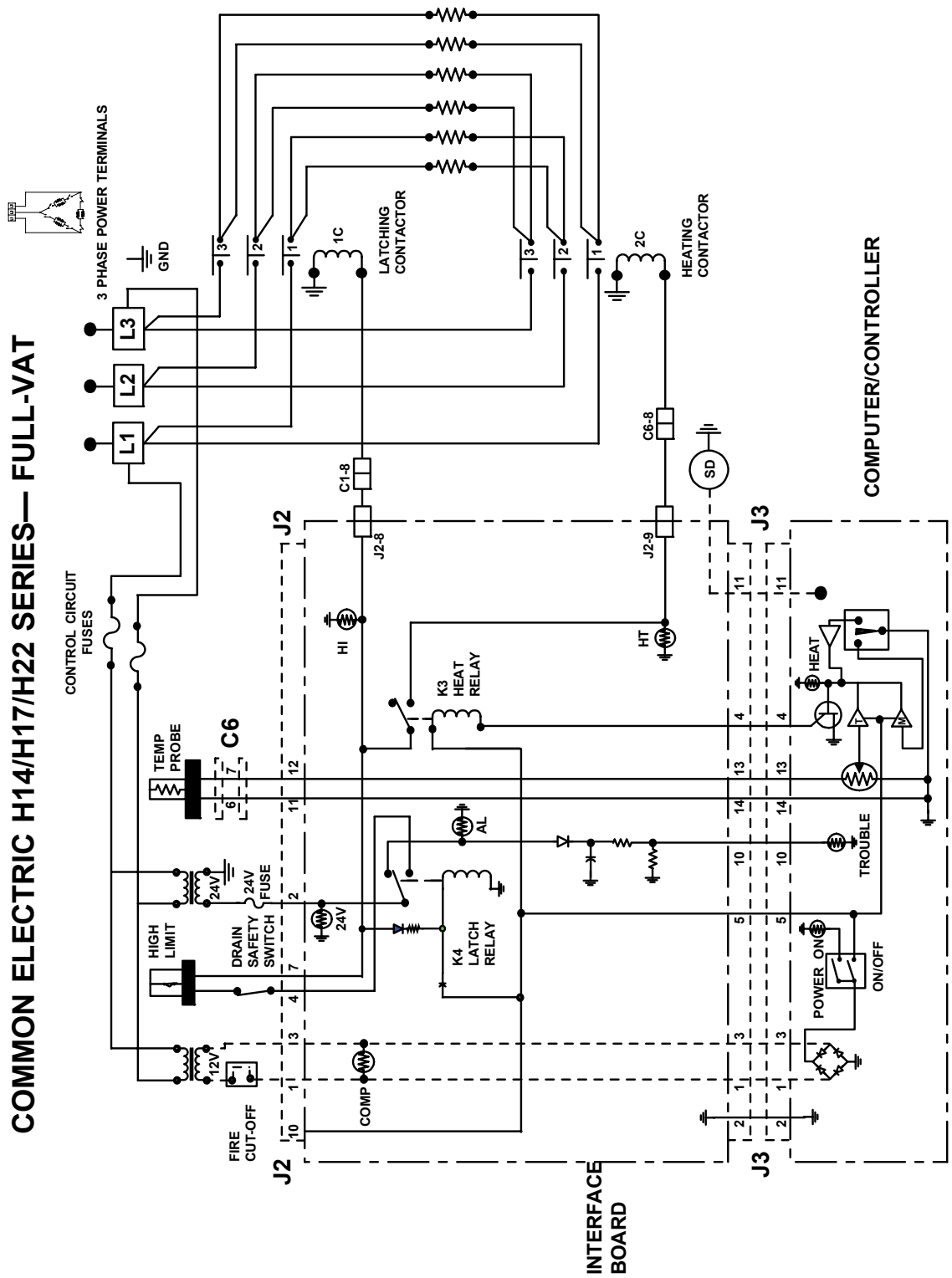
Diagnostic LED Legend

CMP 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

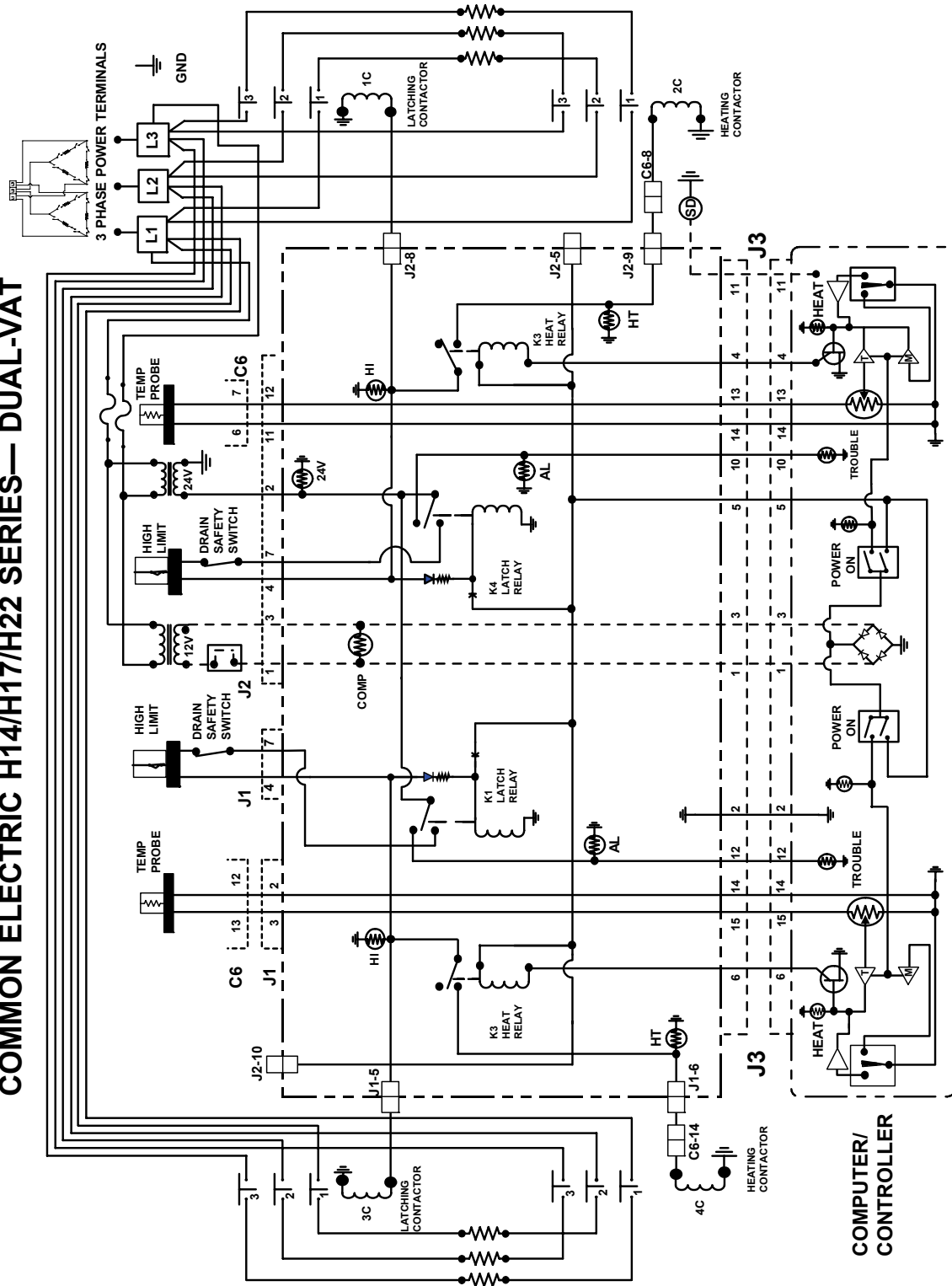
| Meter Setting | Test | Pin | Pin | Results |
|---------------------------|---------------|----------|----------|------------|
| 12 VAC Power | 50 VAC Scale | 1 of J2 | 3 of J2 | 12-16 VAC |
| 24 VAC Power | 50 VAC Scale | 2 of J2 | Chassis | 24-30 VAC |
| *Probe Resistance (RH) | R X 1000 OHMS | 11 of J2 | 12 of J2 | See Chart |
| *Probe Resistance (LH) | R X 1000 OHMS | 3 of J1 | 2 of J1 | See Chart |
| Hi-Limit Continuity (RH) | R X 1 OHMS | 7 of J2 | 4 of J2 | 0 - OHMS |
| Hi-Limit Continuity (LH) | R X 1 OHMS | 4 of J1 | 7 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 | 9 of J2 | Chassis | 18-25 OHMS |
| Heat Contactor Coil (LH) | R X 1 OHMS | 6 of J1 | Chassis | 18-25 OHMS |

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

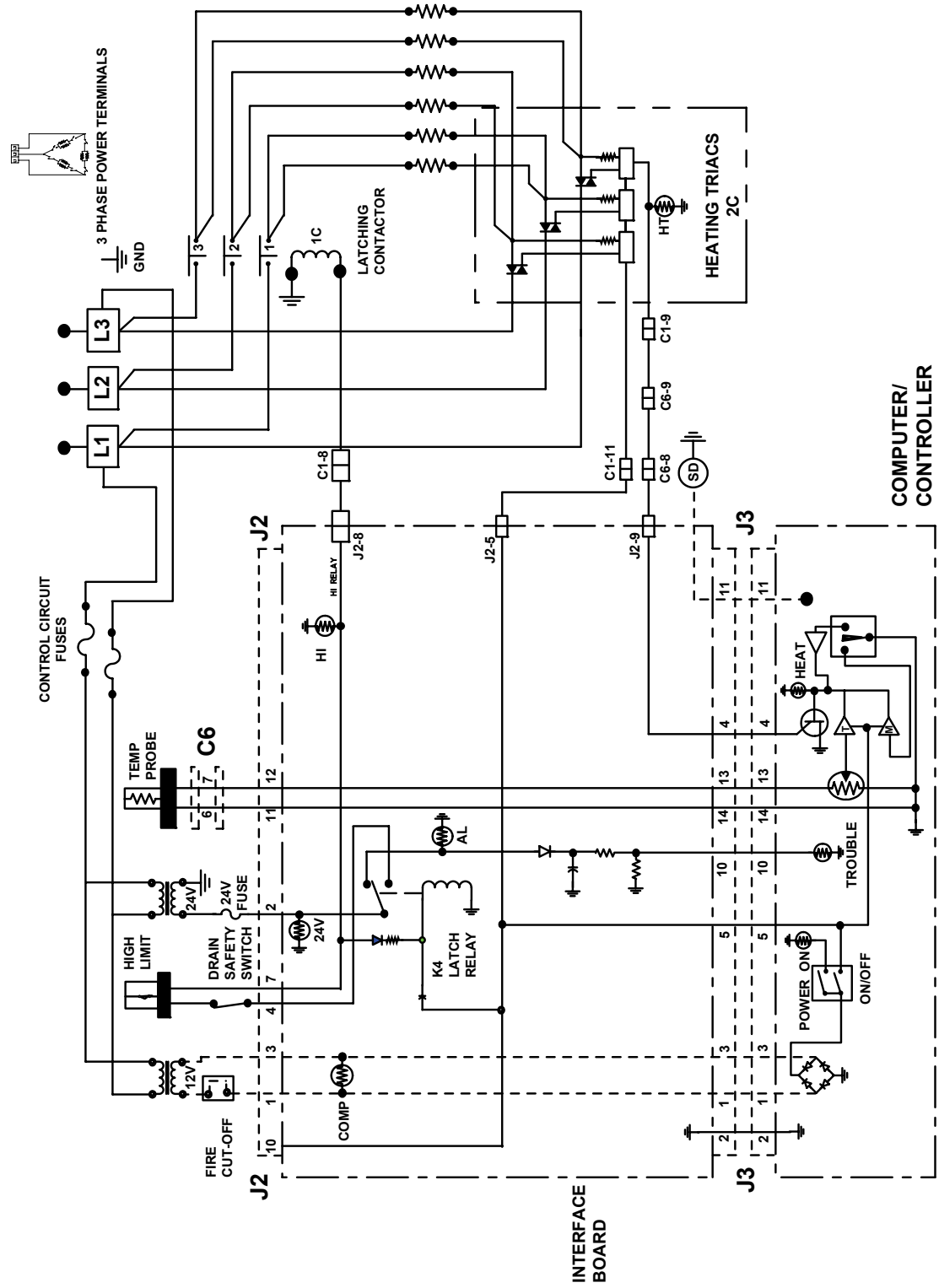
1.13 Simplified Wiring Diagrams, Common Electric



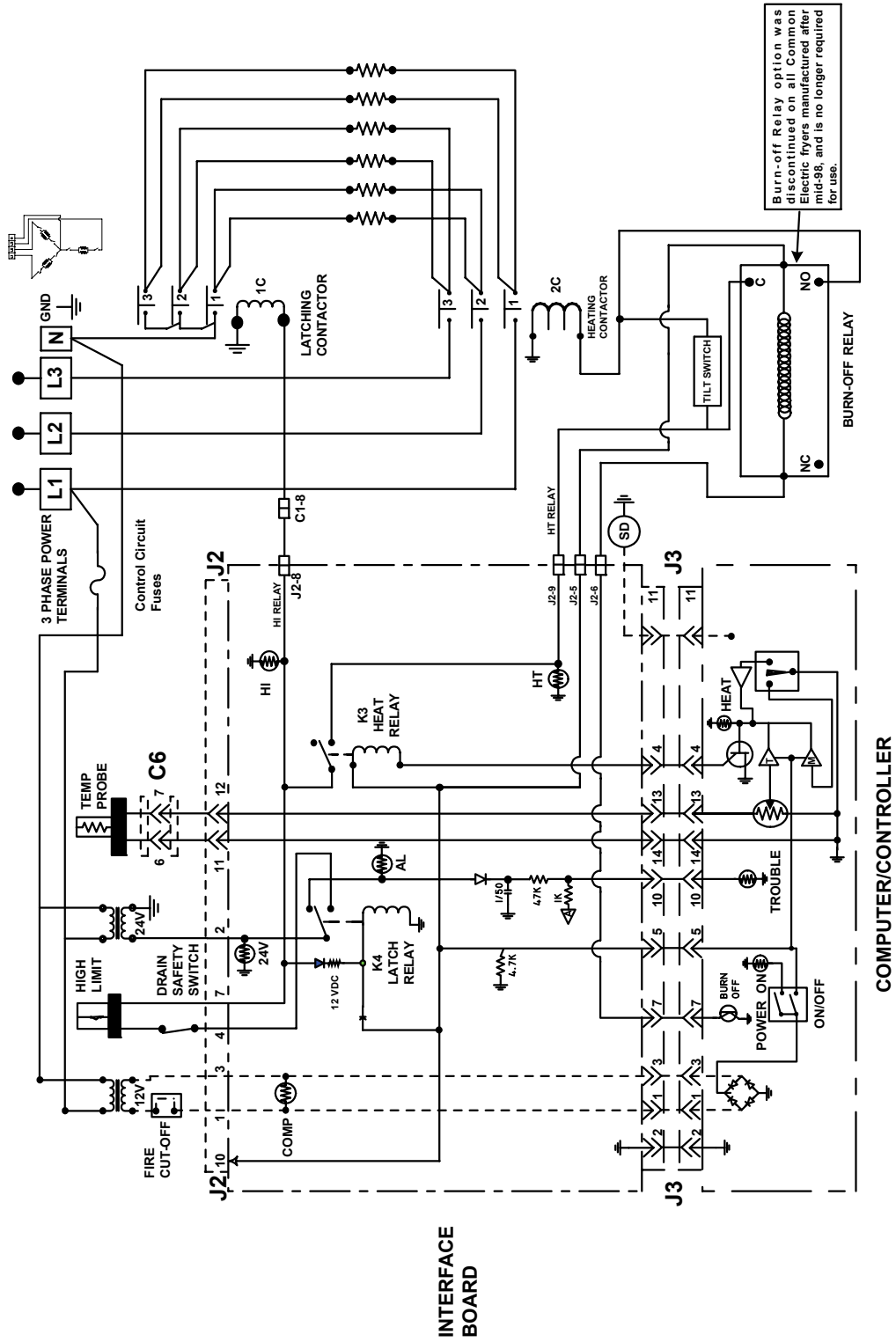
COMMON ELECTRIC H14/H17/H22 SERIES— DUAL-VAT



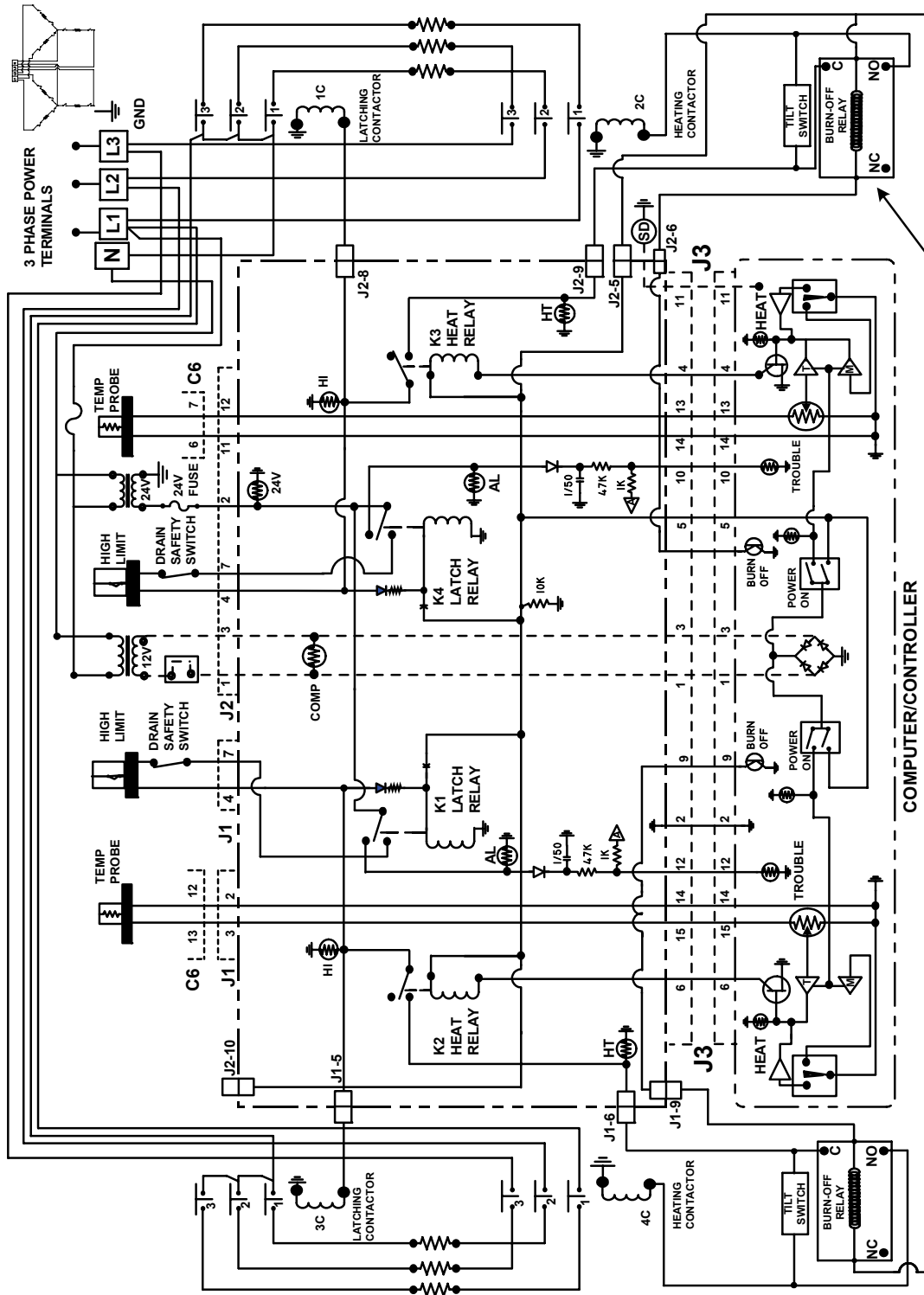
COMMON ELECTRIC H14/H17/H22 SERIES- TRIAC— FULL-VAT



COMMON ELECTRIC H14/H17/H22 SERIES— FULL-VAT— EXPORT WYE



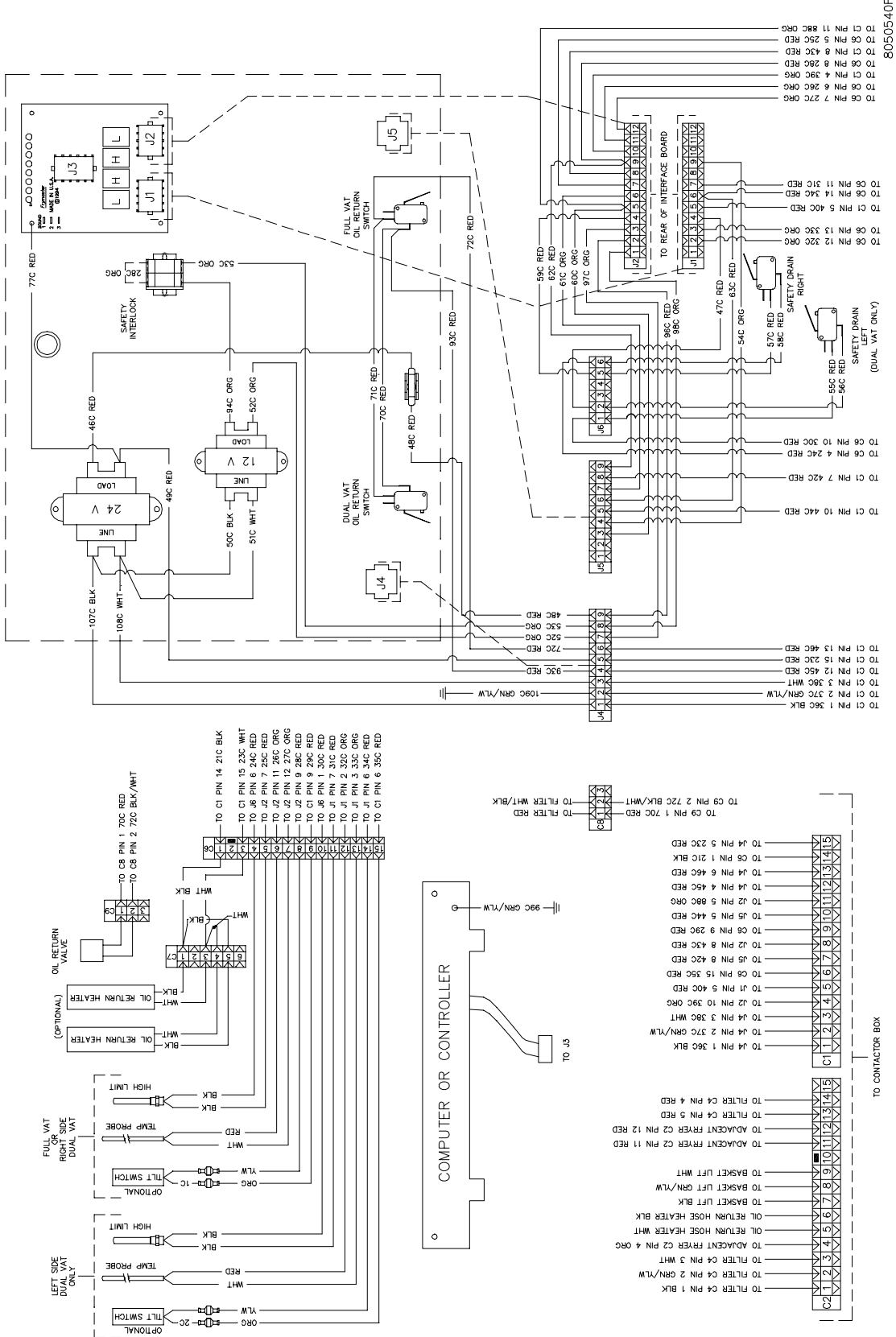
COMMON ELECTRIC McDONALD'S H14 SERIES— DUAL-VAT— EXPORT WYE



Burn-off Relay option was discontinued on all Common Electric fryers manufactured after mid-98, and is no longer required for use.

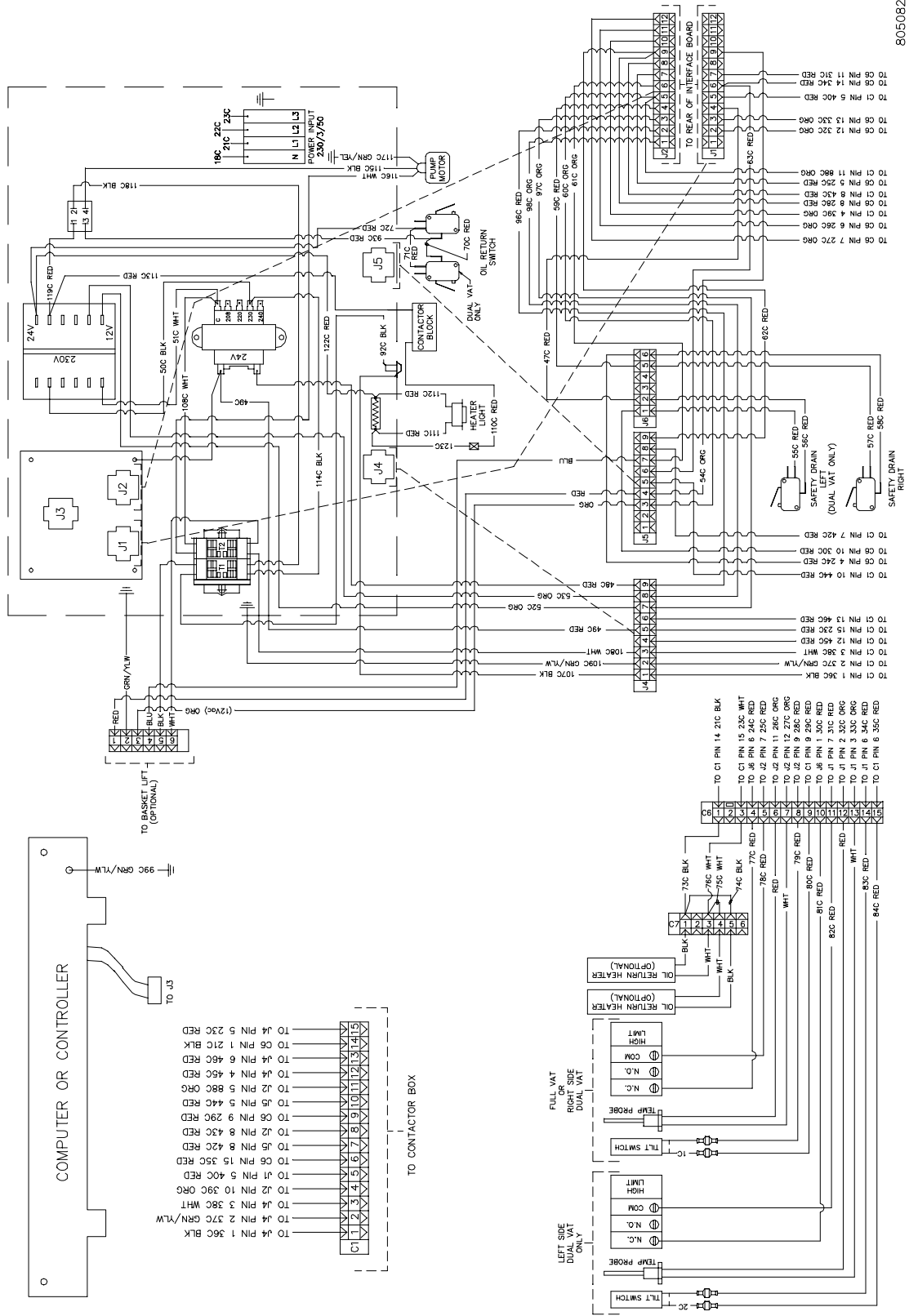
1.14 Wiring Diagrams, Main

Domestic Wiring Diagram



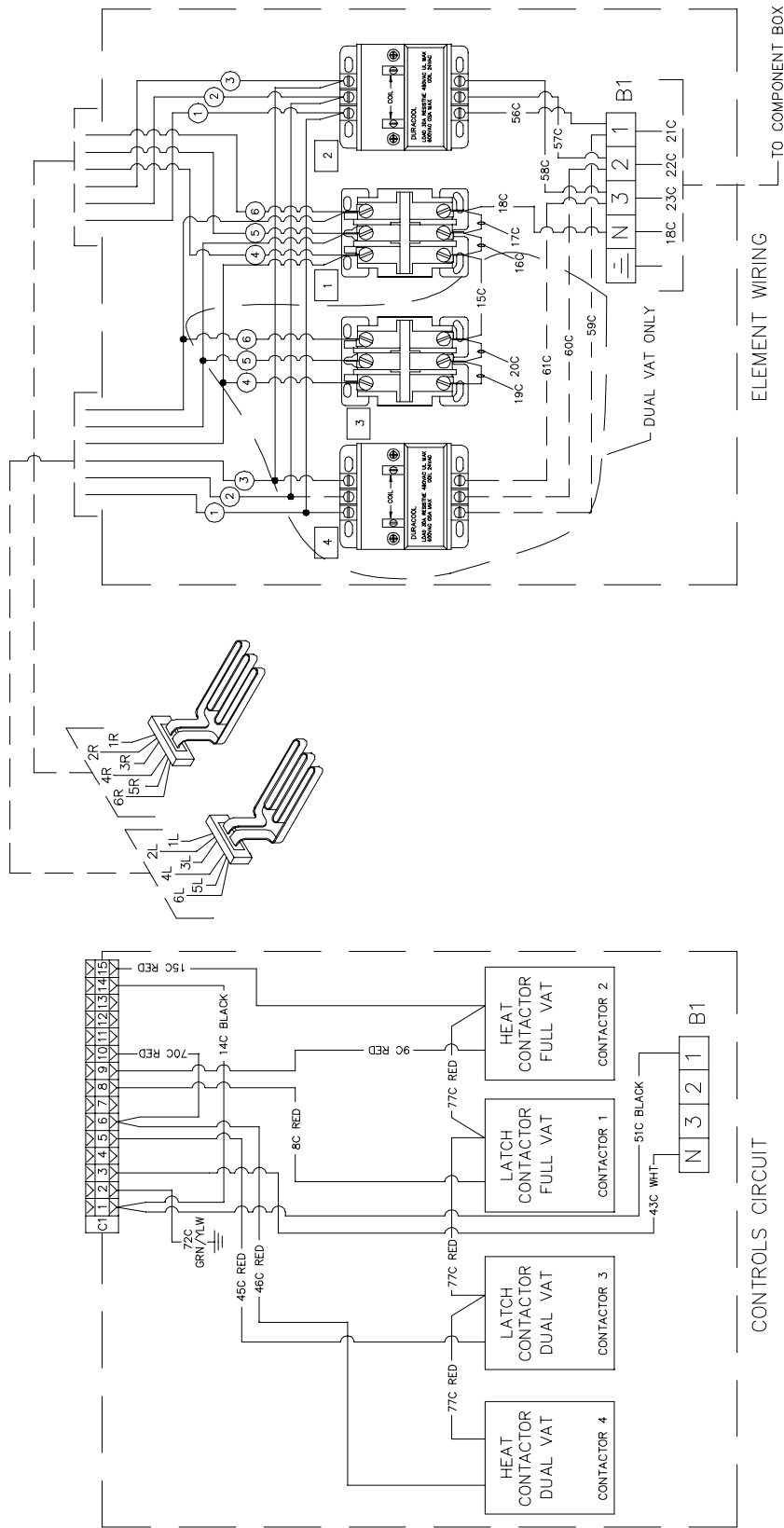
8050540F

FPH114/117/122 CE Wiring Diagram



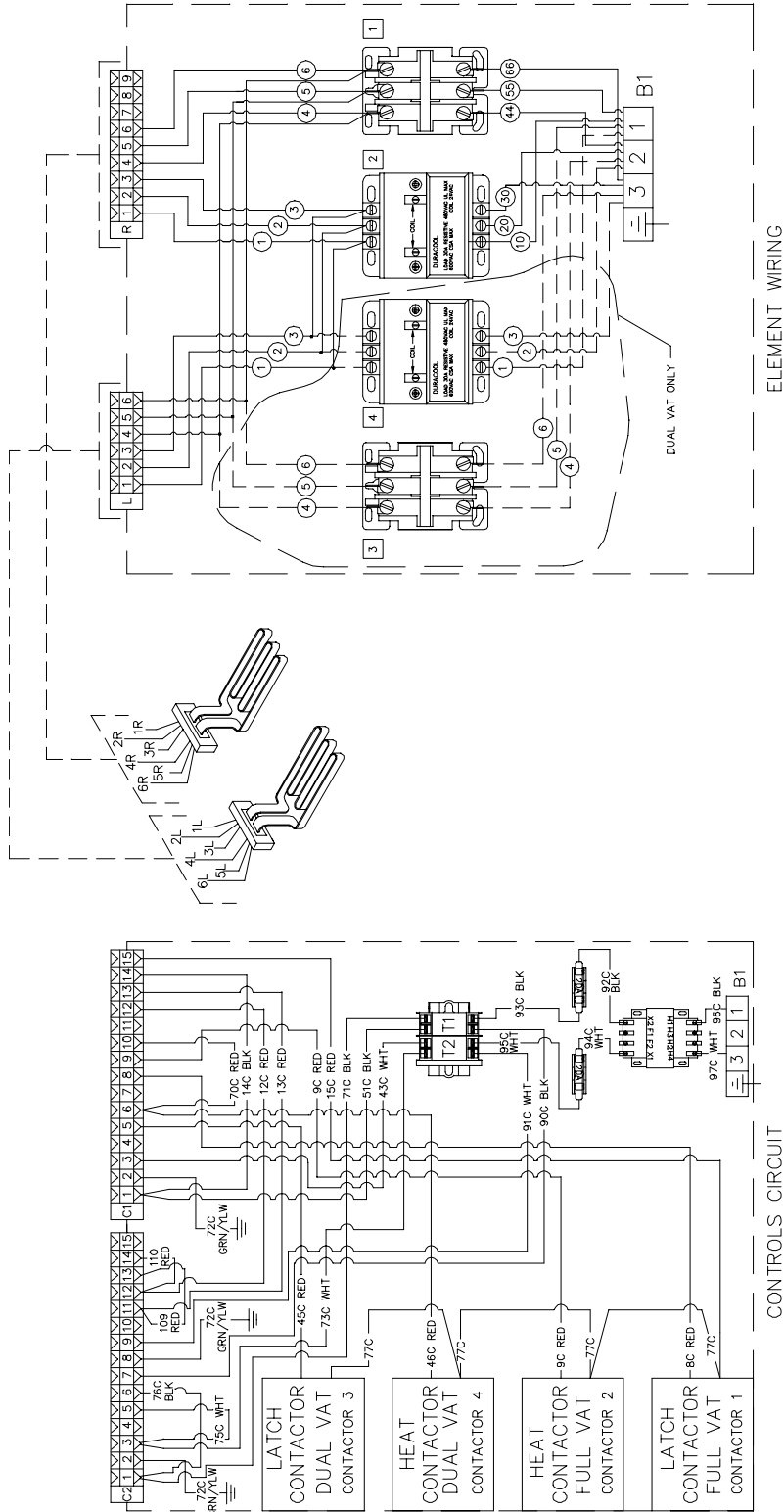
8050828E

WYE Wiring Diagram



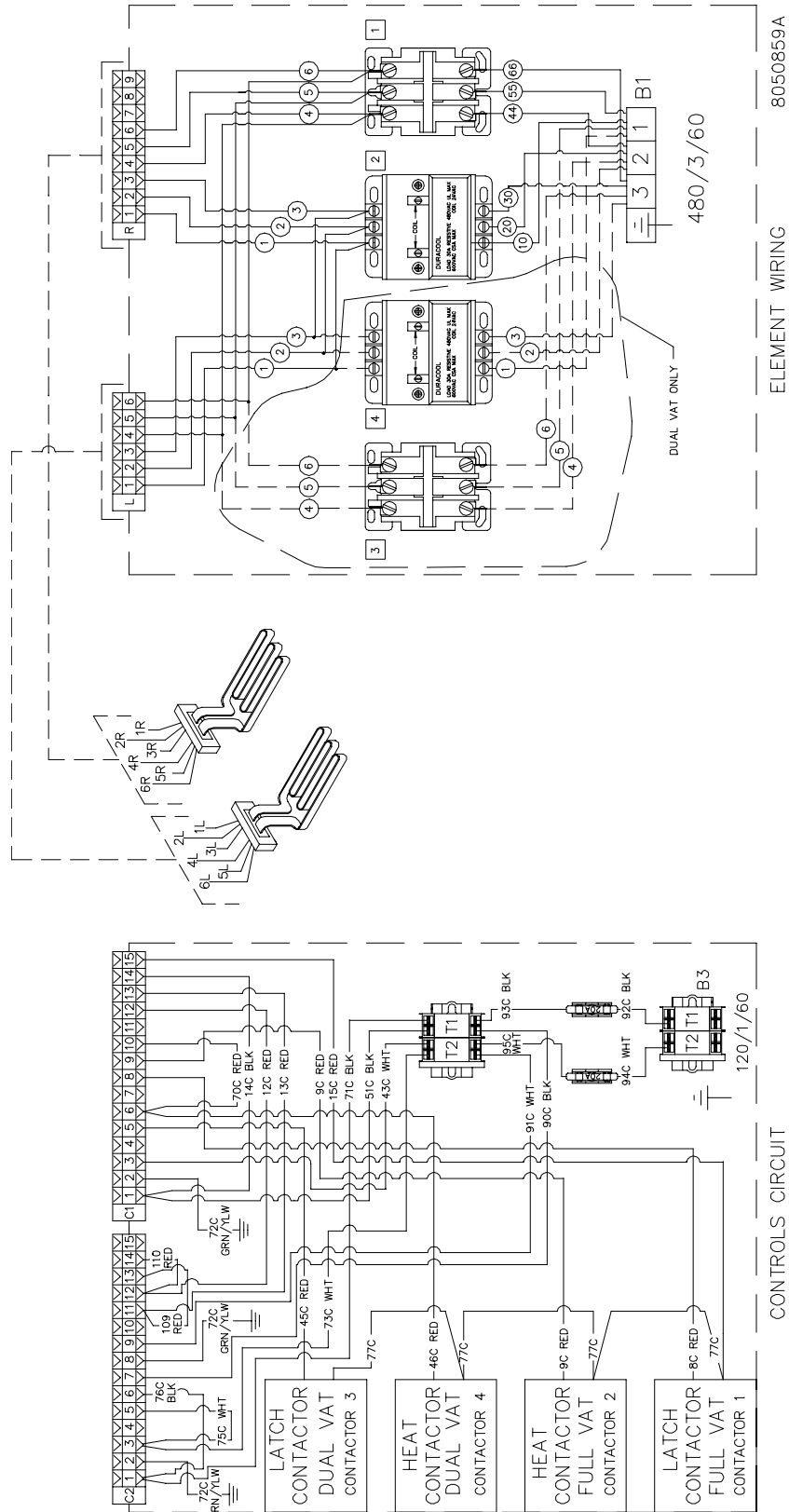
8050829B

Delta 480V Non-filter Wiring Diagram



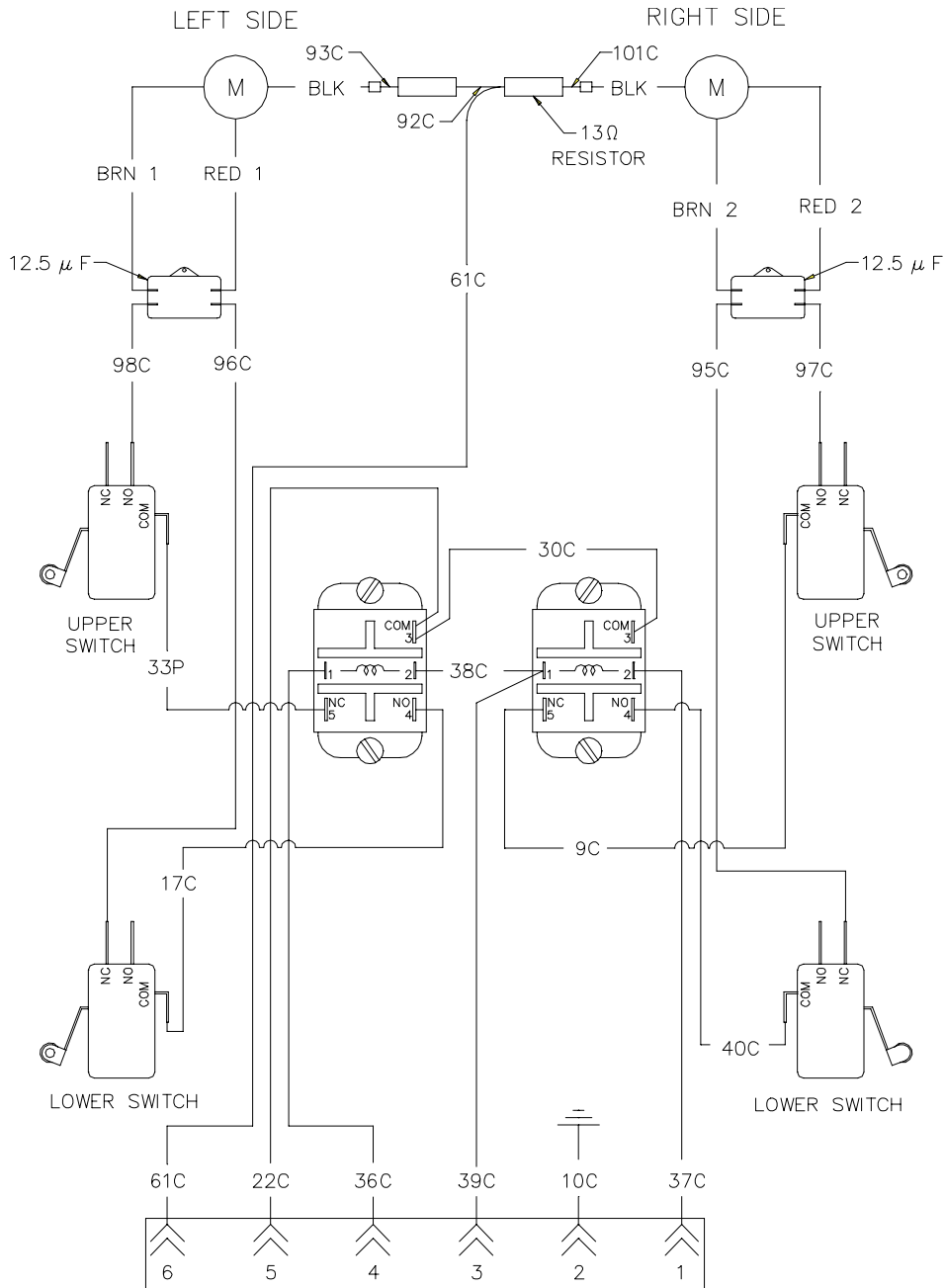
8050858A

Delta 480V With FootPrint/Filter Magic II Wiring Diagram



1.15 Wiring Diagrams, Basket Lifts

Modular Basket Lift, 100—120V w-Relay Wiring Diagram



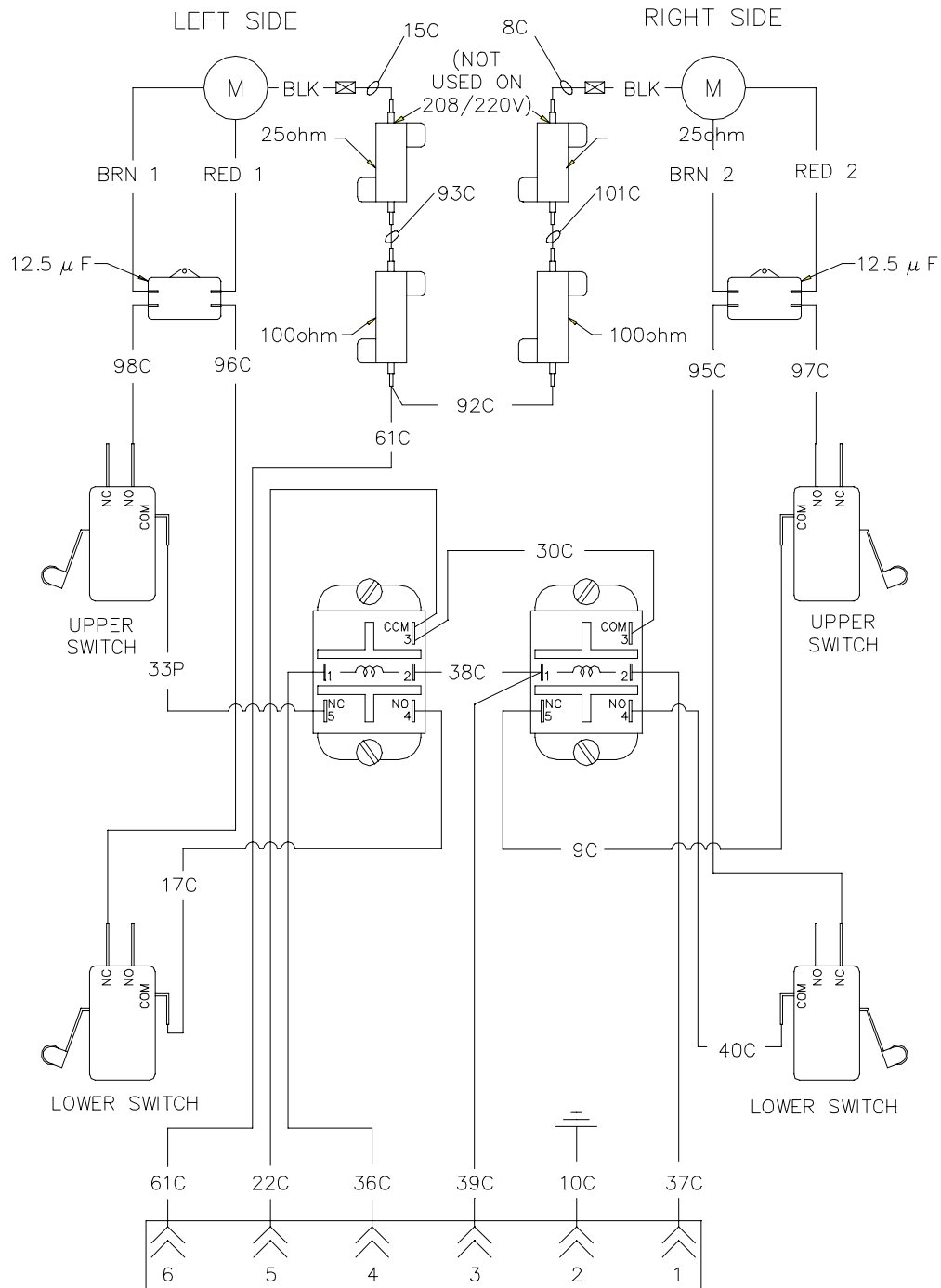
REFERENCES TO LEFT & RIGHT ARE
FROM THE REAR OF THE FRYER

8050555D

1.15 Wiring Diagrams, Basket Lifts (cont.)

Modular Basket Lift, 208—250V w-Relay Wiring Diagram

NOTE: Some units will have four 50ohm resistors rather than two 100ohm resistors.

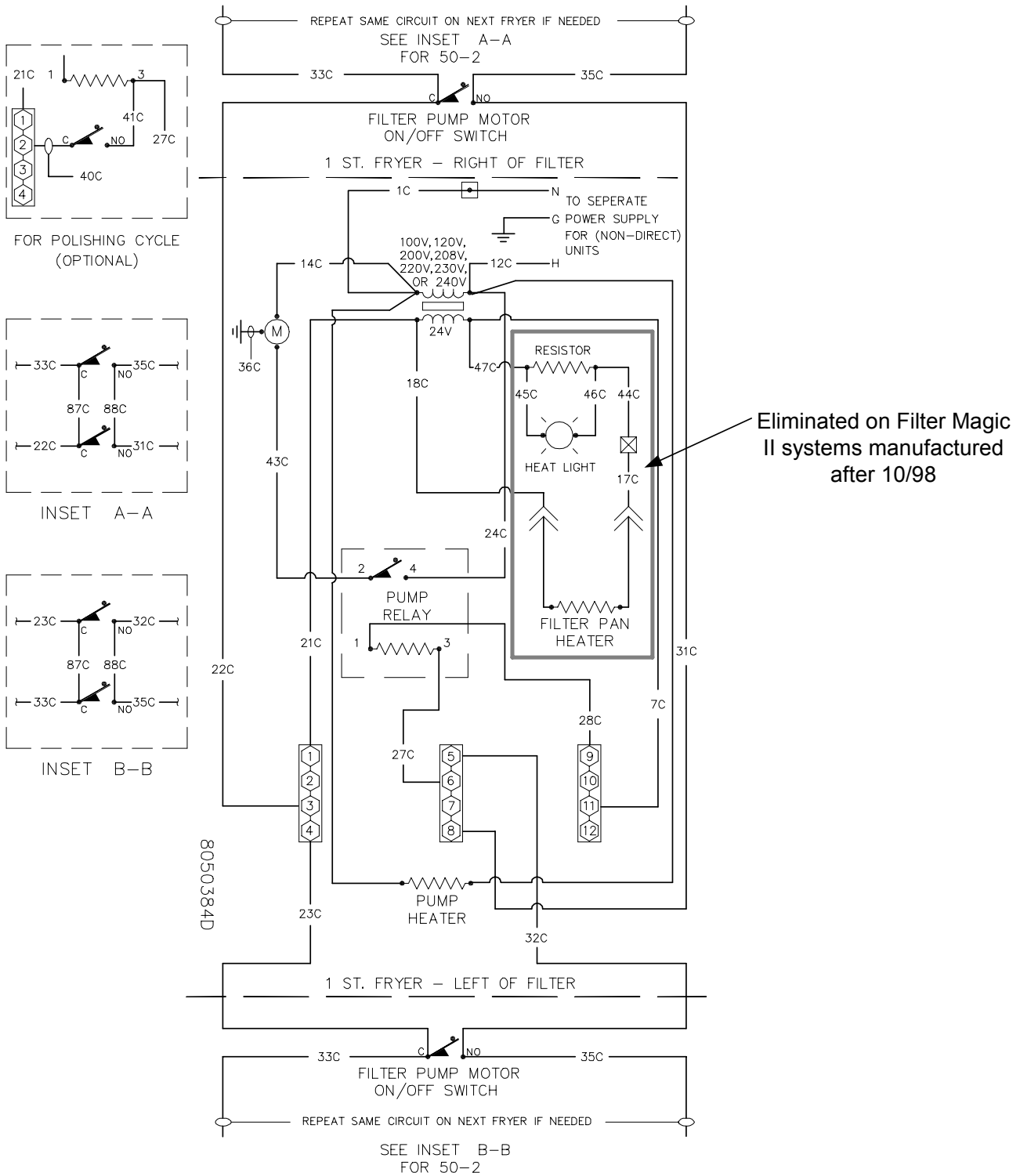


REFERENCES TO LEFT & RIGHT ARE
FROM THE REAR OF THE FRYER

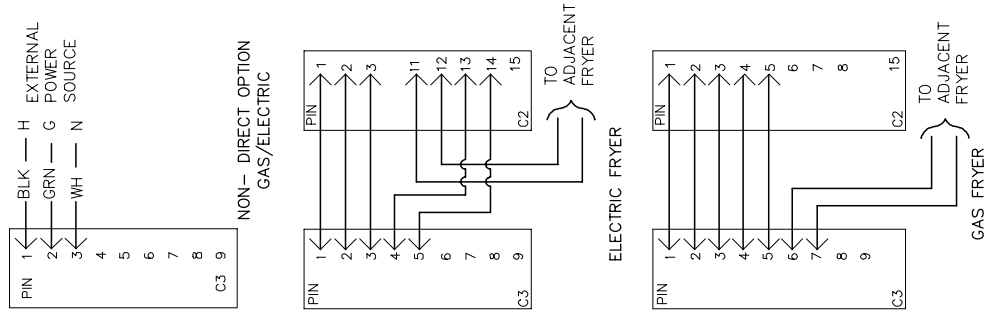
8050888C

1.16 Wiring Diagrams, Filtration Systems

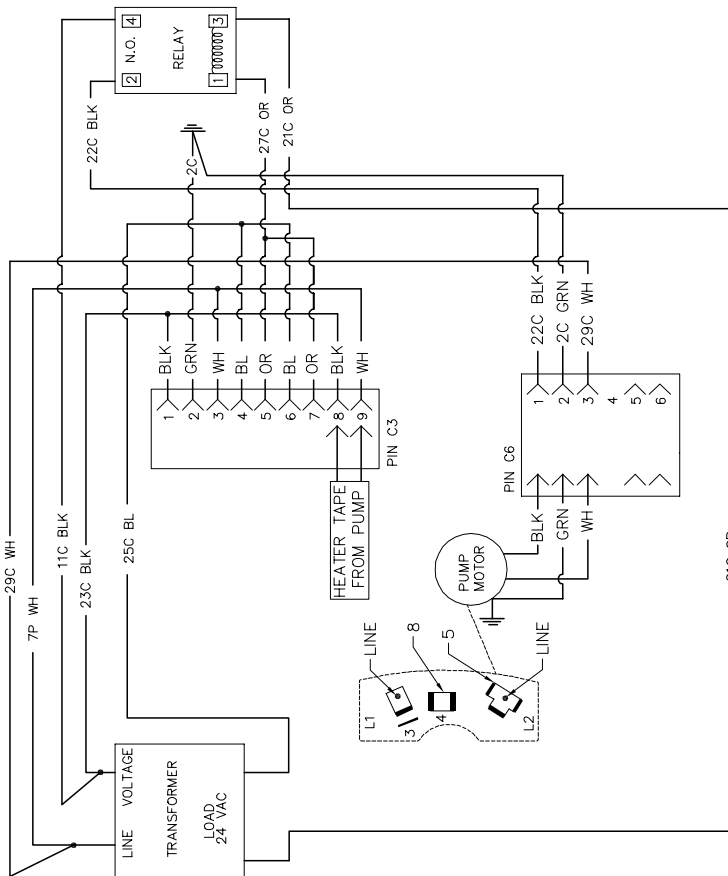
Filter Magic II (Prior to October 98)



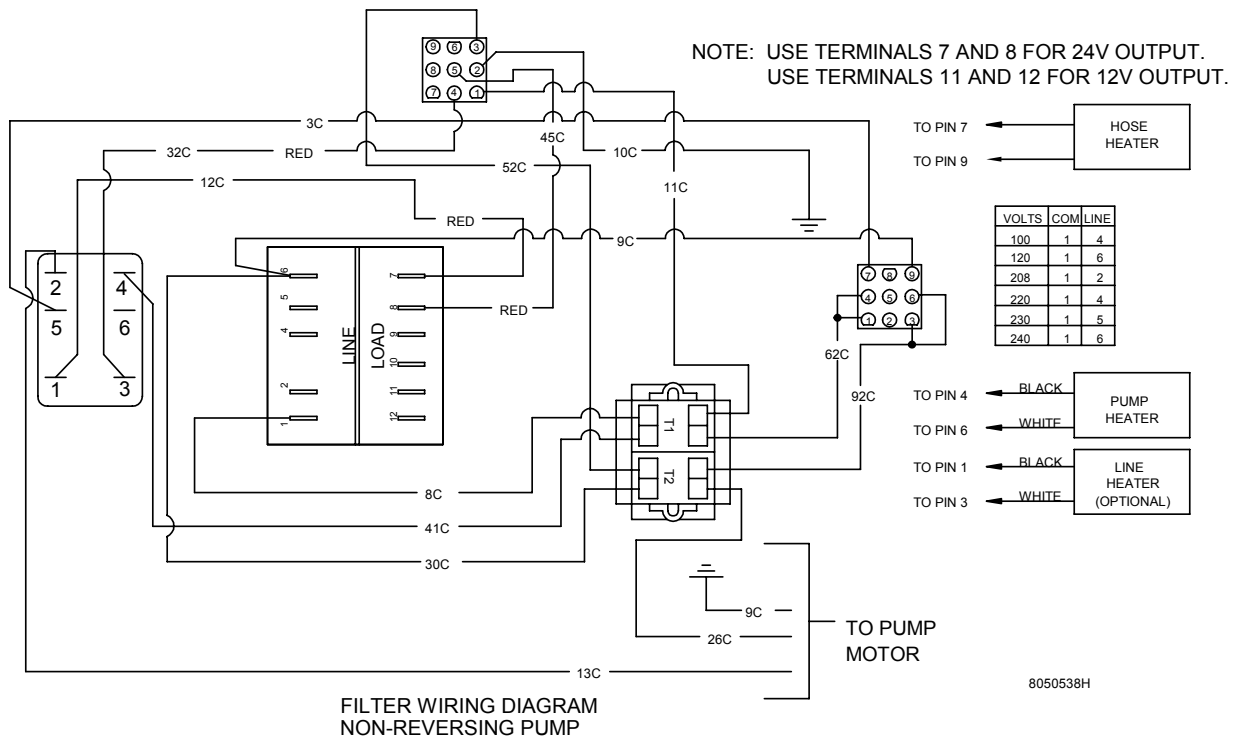
Filter Magic II (October 98 and later)



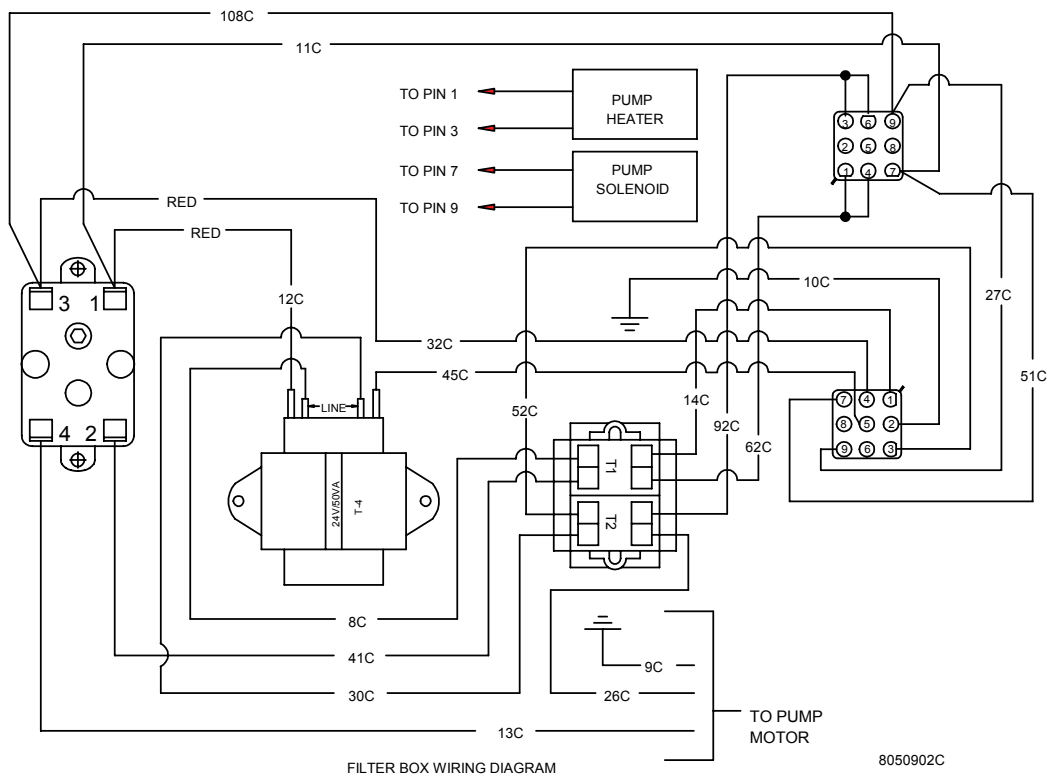
8050503E



Footprint III, Early Configuration.



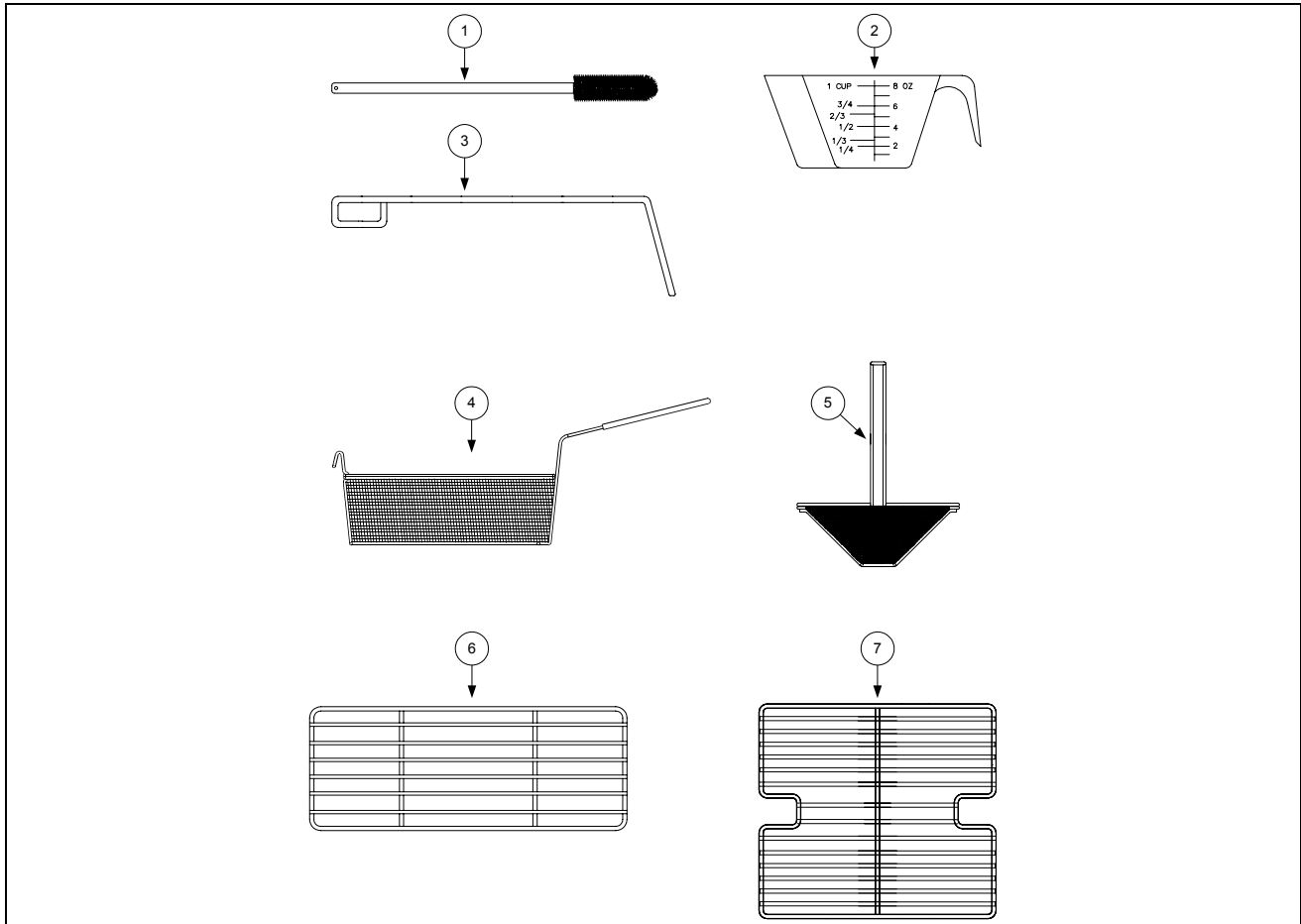
Footprint III, Late Configuration



H14/H17/H22 SERIES ELECTRIC FRYERS

CHAPTER 2: PARTS LIST

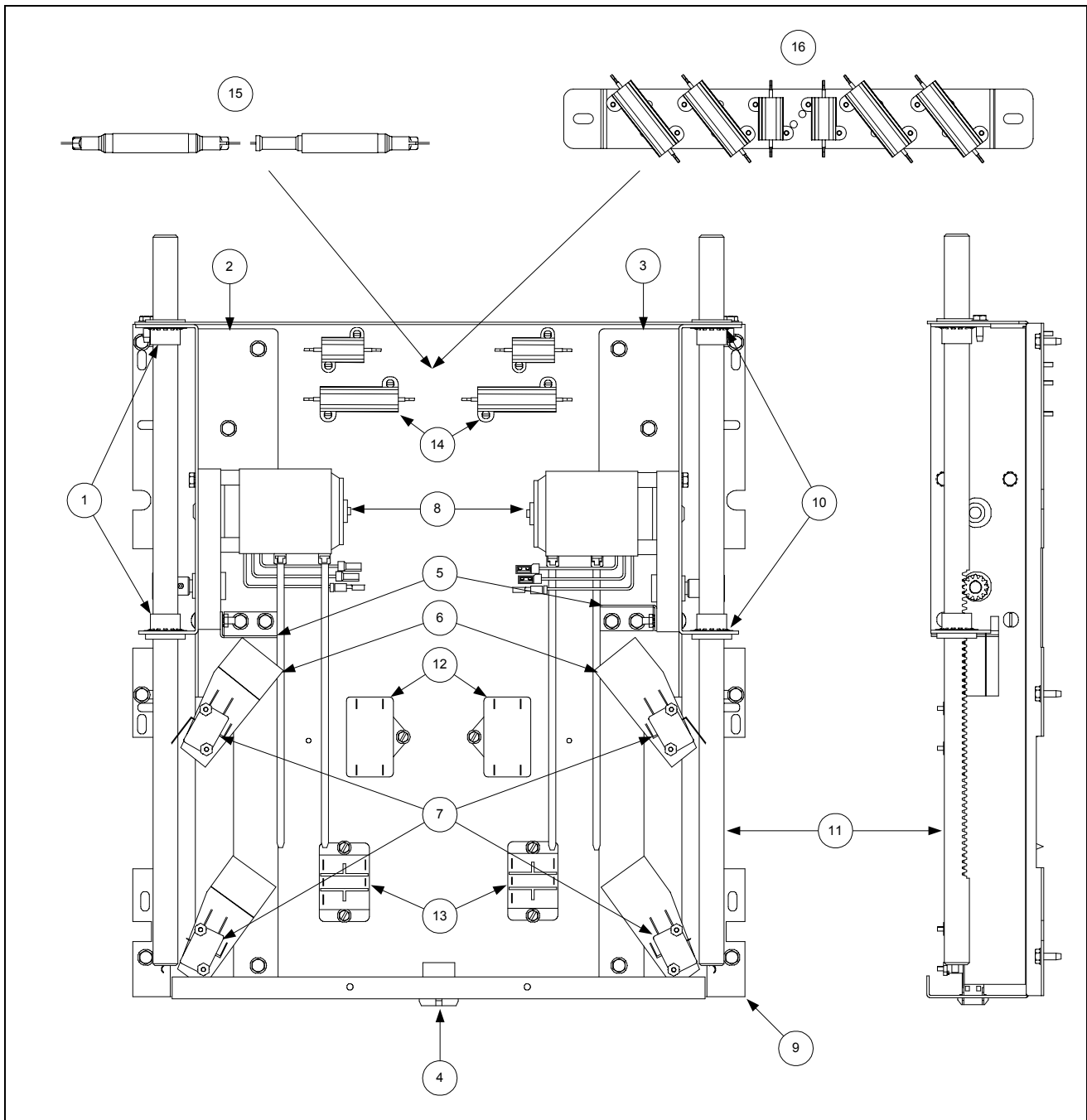
2.1 Accessories



| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | 803-0209 | Brush, FV/DV Frypot |
| 2 | 803-0046 | Cup, Measuring, Plastic, #1040 |
| 3 | 803-0197 | Fryer Friend 27-inch (Clean-out Rod) |
| 4 | 803-0099 | Basket, Full-vat |
| * | 803-0271 | Basket, Dual-vat |
| 5 | 803-0113 | Sediment Tray, Full-vat |
| * | 803-0122 | Sediment Tray, Dual-vat, Left |
| * | 803-0123 | Sediment Tray, Dual-vat, Right |
| 6 | 803-0106 | Rack, Electric Dual-Vat Basket Support |
| 7 | 803-0132 | Rack, H50 Full-Vat With Probe Guard Basket |
| * | 803-0002 | Carton, Filter Powder |
| * | 803-0170 | Filter Pack– 100 Sheets |
| * | 806-3068 | Cover, Full Vat Frypot |
| * | 806-3071 | Cover, Dual Vat Frypot |

* Not illustrated.

2.2 Basket Lift Assemblies and Component Parts



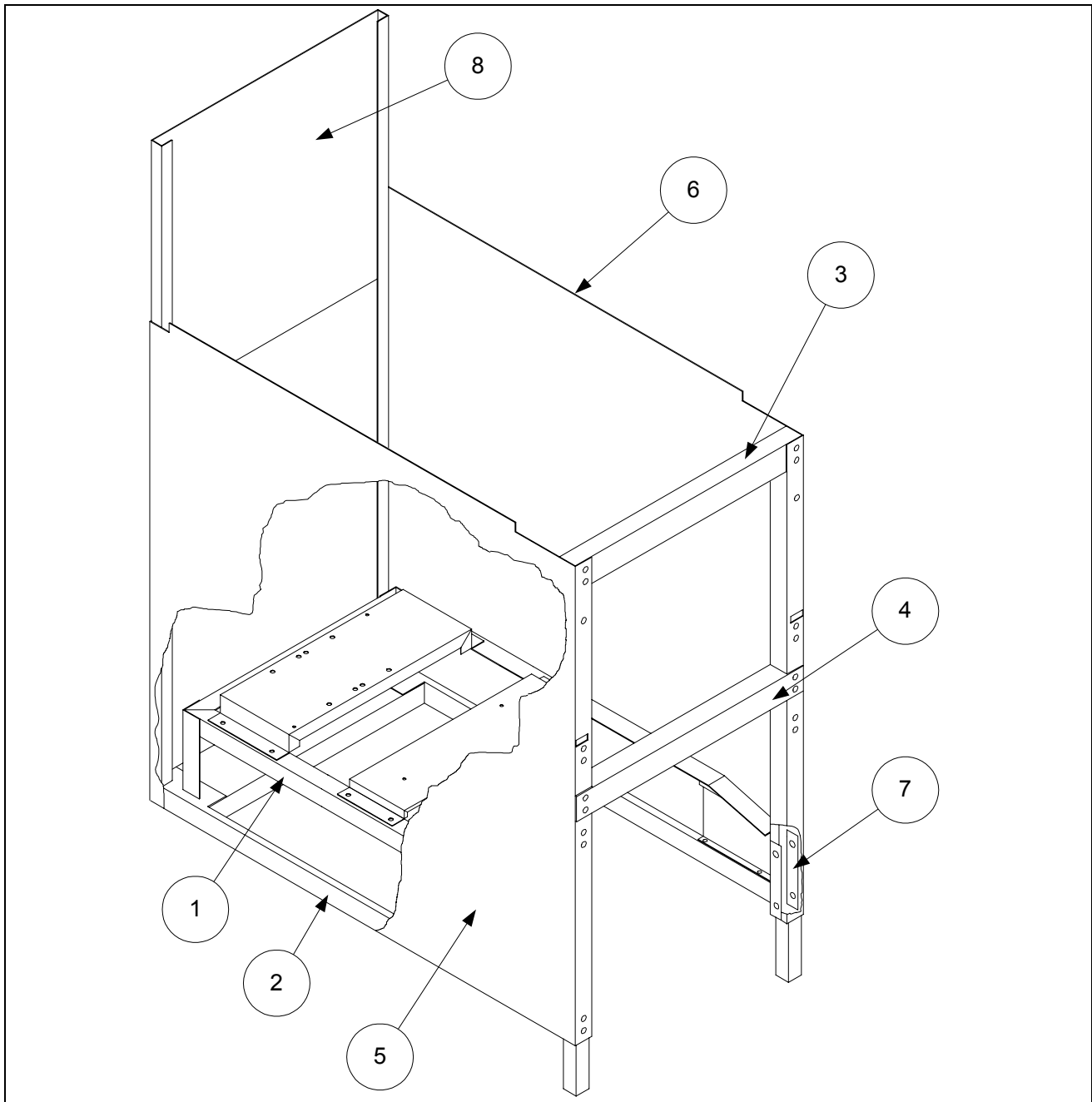
| ITEM | PART # | COMPONENT |
|------|------------|---|
| | | Common Components |
| 1 | 813-0035 | Bushing, Bronze, .640-inch ID |
| 2 | 901-8499 | Chassis, Modular Basket Lift, Left |
| 3 | 902-8499 | Chassis, Modular Basket Lift, Right |
| 4 | 807-0158 | Connector, 6-Pin Female, Panel Mount |
| 5 | 900-5529 | Gusset, Modular Basket Lift Motor |
| 6 | 812-0442 | Insulation, Microswitch |
| 7 | 807-2572 | Microswitch |
| 8 | 806-5964SP | Motor Assembly, Modular Basket Lift |
| 9 | 200-2942 | Mount, MBL (for old mount w/6-pin plug use 900-7655) |
| 10 | 809-0082 | Ring, Retaining – Truarc |
| 11 | 810-1012 | Rod, Modular Basket Lift |
| * | 823-2704 | Left Basket Lift Arm |
| * | 823-2705 | Right Basket Lift Arm |
| 12 | 807-2133 | Capacitor, 12.5 μ Farad, 250VAC Motor |
| | | Resistors |
| 13 | 807-1683 | Relay, 12V (All Basket Lifts w/Relays) |
| 14 | 806-9185 | Resistor Assembly, Modular Basket Lift (used in 806-8532SP) |
| 15 | 806-8530 | Resistor Assembly, Modular Basket Lift (used in 806-8531SP) |
| 16 | | Resistor Assembly, Modular Basket Lift (see NOTE below) |
| | 106-2770 | 200-220V (used in 806-8086SP and 806-8685SP) |
| | 106-2771 | 230-250V (used in 806-8087SP and 806-8686SP) |
| | | Wire Assemblies |
| | WIR00482 | For 106-1807SP (for 6-pin MBL assembly 806-8531SP, use WIR0073SP) |
| | WIR0292 | For 806-8532SP |
| | WIR0166 | For 806-8086SP & 806-8087SP |
| | 806-8555SP | For 6-pin assemblies 806-8685SP & 806-8686SP |
| | 106-1804SP | For 12-pin assemblies 106-1809SP & 106-1810SP |
| | | Complete Assemblies |
| | 106-1807SP | 100/120V w/o Relay (for 6-pin assembly, use 806-8531SP) |
| | 106-1808SP | 100/120V w/Relay (for 6-pin assembly, use 806-8532SP) |
| | 106-1809SP | 200/208/220V w/o Relay (for 6-pin assembly, use 806-8685SP) |
| | 106-1805SP | 200/208/220V w/Relay (for 6-pin assembly, use 806-8086SP) |
| | 106-1810SP | 230/240/250V w/o Relay (for 6-pin assembly, use 806-8686SP) |
| | 106-1806SP | 230/240/250V w/Relay (for 6-pin assembly, use 806-8087SP) |

* Not illustrated.

NOTE: Item 16 replaces all previous resistors and resistor assemblies used in 200-250V modular basket lifts.

2.3 Cabinet Assemblies and Component Parts

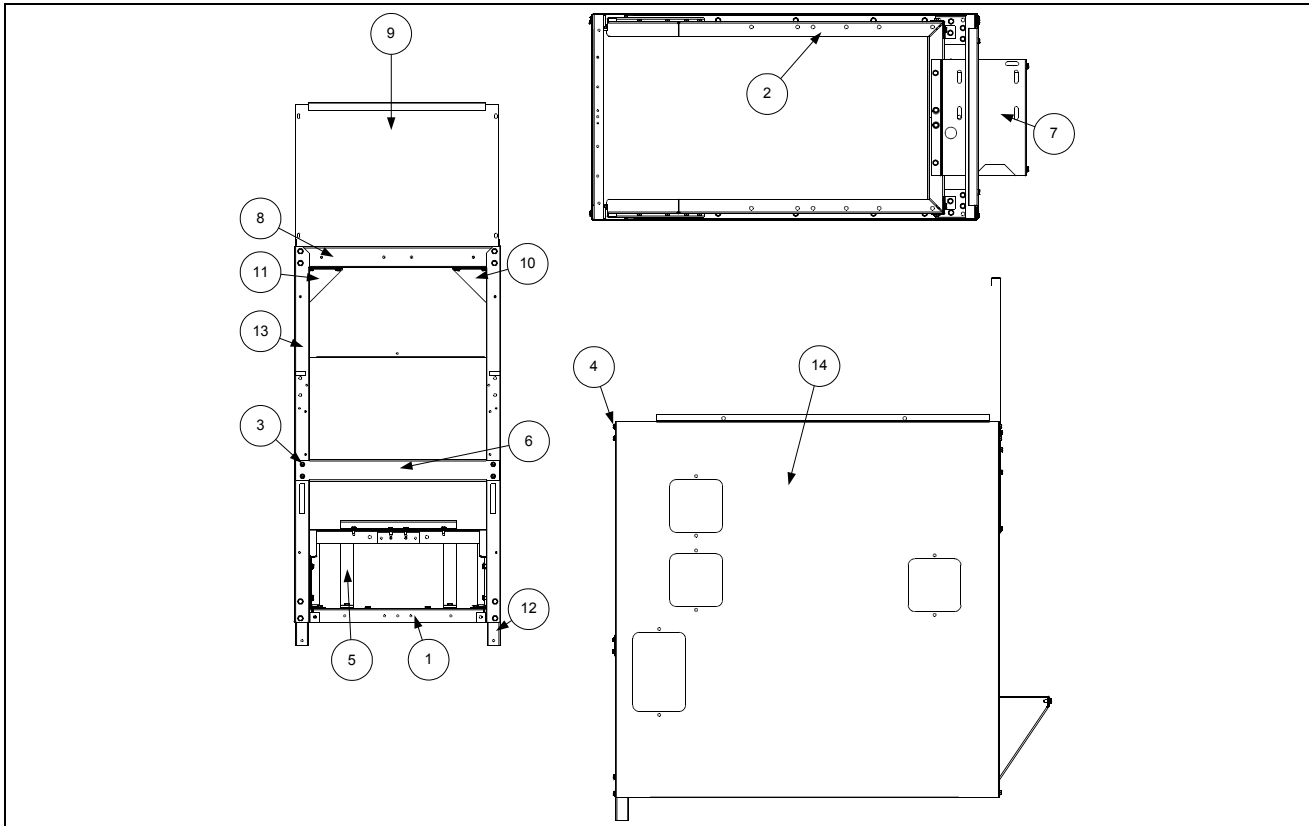
2.3.1 H114/117/122 Cabinet Assembly, Single FootPrint and Non-Filter



| ITEM | PART # | COMPONENT |
|------|------------|--|
| 1 | 806-4910SP | Rail Assembly, Single FootPrint |
| * | 200-0129 | Rail, Top Front Single Common Electric N/F |
| 2 | 806-4897SP | Base, Single FootPrint |
| * | 806-7003SP | Base Assembly, Single Common Electric, N/F |
| 3 | 900-4393SP | Brace, Top, Single FootPrint |
| 4 | 900-4391SP | Brace, Cabinet Front |
| * | 900-2733 | Brace, Contactor Box, Front, N/F |
| * | 900-2734 | Brace, Support Contactor Box, Common Electric, N/F |
| * | 200-0130 | Brace, Rear Horizontal, Common Electric, N/F |
| * | 201-0137 | Upright- rear enclosure, Common Electric, N/F |
| * | 202-0137 | Upright- rear enclosure, Common Electric, N/F |
| 5 | | Side, Cabinet – Left Side |
| | 911-9314 | Stainless Steel |
| | 901-9314 | Enameled Steel |
| 6 | | Side, Cabinet – Right Side |
| | 912-9314 | Stainless Steel |
| | 902-9314 | Enameled Steel |
| * | 910-2456SP | Cabinet Side, Common Electric N/F |
| 7 | 900-1621 | Plate, Rail Mount |
| 8 | 910-2912 | Back, Upper Cabinet, Single FootPrint |
| * | 900-5204 | Back, Cabinet, 22kW Single FP |
| * | 900-4412 | Bracket, Component, 22kW Single FP |
| * | 900-2717SP | Back, Upper Cabinet, Common Electric, N/F |
| * | 900-5141 | Back, Center Cabinet, MH114 |
| * | 900-8449 | Back, Lower Cabinet with U-shaped Cutout |
| * | 200-4581 | Back, Lower Cabinet without U-shaped Cutout |
| * | 910-7925 | Leg, Cabinet, Front Filter |
| * | 900-9585 | Heat Shield, Wire, Common Electric |
| * | 826-1374 | Screw, #10-1/2 Hex Head (Pkg. of 25) |
| * | 826-1389 | Screw, 1/4-20 x 3/4 Hex Head (Pkg. of 10) |
| * | 826-1334 | Bolt, 1/4-20 X 1 1/4 Hex Head (Pkg. of 5) |
| * | 826-1368 | Nut, Flange 1/4-20 Serrated (Pkg. of 10) |
| * | 809-0070 | Nut, Hex 1/4 x 20 SS |
| * | 809-0191 | Washer, Lock, 1/4-inch |

* Not illustrated.

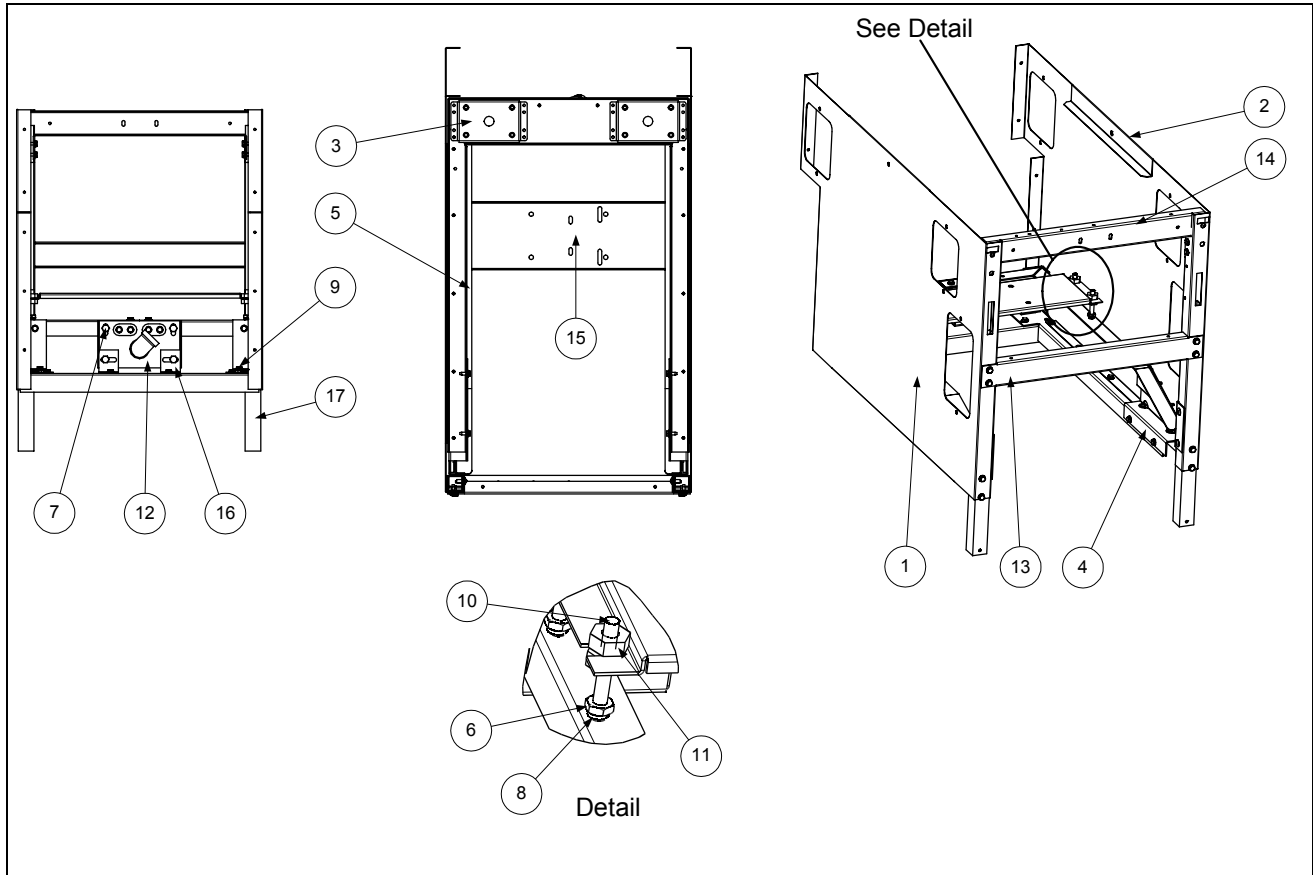
2.3.2 H114/117/122 Cabinet Assembly, Battered Option—Filter Ready



| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 806-4897 | Base, Single FP |
| 2 | 806-5317 | Filter Rail Assembly, Single FP |
| 3 | 809-0361 | Screw, 8 x ½ Hex |
| 4 | 809-0412 | Screw, #10-½ Hex |
| 5 | 900-1786 | Motor Mount, Cantilever Bracket |
| 6 | 900-4391 | Brace, Cabinet Front |
| 7 | 900-4551 | Motor Mount, Single FootPrint |
| 8 | 900-4813 | Brace, Cabinet Top Single |
| 9 | 900-7448 | Back, Top, FPH 50 |
| 10 | 901-1405 | Gusset, Cabinet FP-TCF Left |
| 11 | 902-1405 | Gusset, Cabinet FP-TCF Right |
| 12 | 910-8673 | Leg, Front Filter w/Swivel Caster |
| 13 | | Side, Cabinet, Left |
| | 911-9324 | Side, Stainless Steel |
| | 901-9324 | Side, Cold Rolled Steel |
| 14 | | Side, Cabinet, Right |
| | 912-9324 | Side, Stainless Steel |
| | 902-9324 | Side, Cold Rolled Steel |
| * | 910-0889 | Cover, 4" x 4" S/S (for enameled steel, use 900-0889) |
| * | 910-0890 | Cover, 4" x 6" S/S (for enameled steel, use 900-0890) |
| * | 809-0359 | Screw, #8 x ¼" Hex Washer Head |

* Not illustrated.

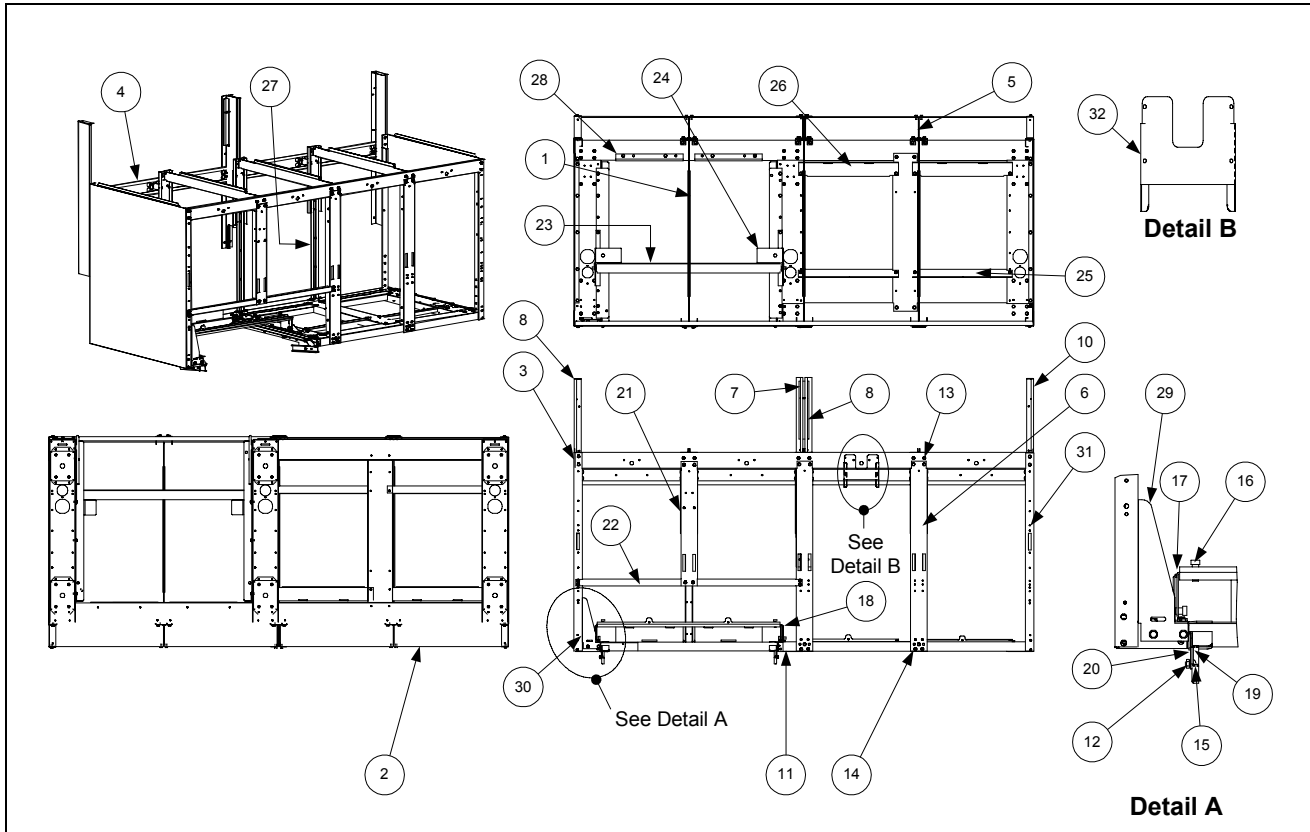
2.3.3 Filter Magic Under-Counter Cabinetry (after 8/2000)



| ITEM | PART # | COMPONENT |
|------|------------|--|
| 1 | 201-0483 | Side, Cabinet U/C Enameled – Left |
| 2 | 202-0483 | Side, Cabinet U/C Enameled – Right |
| * | 211-0483 | Side, Cabinet U/C Stainless Steel – Left |
| * | 212-0483 | Side, Cabinet U/C Stainless Steel – Right |
| 3 | 806-8059 | Leg Pad Assembly |
| 4 | 806-8062SP | Filter Rail Assembly, Common Electric FM |
| 5 | 806-8935SP | Base Assembly, FM 3-Piece |
| 6 | 826-1362 | Nut, ¼ - 20 Hex (Pkg. of 10) |
| 7 | 826-1389 | Screw, Hex Head ¼ -20 x ¾ (Pkg. of 10) |
| 8 | 809-0191 | Washer, ¼ Lock |
| 9 | 826-1374 | Screw, #10- ½ Hex Head (Pkg. of 25) |
| 10 | 809-0429 | Bolt, ¼ -20 x 2 |
| 11 | 810-0665 | Nut, Leveling |
| 12 | 823-2827 | Mount (Weld Assembly), Common Electric Single FP |
| 13 | 900-4391 | Brace, Cabinet Front |
| 14 | 900-4785 | Brace, Cabinet – Top and Center |
| 15 | 900-8582 | Mount, Motor Single FP Common Electric |
| 16 | 900-8591 | Bracket, Mount Common Electric Single FP |
| 17 | 910-8659 | Leg, Cabinet Front Common Electric Single FP |

* Not illustrated.

2.3.4 FootPrint III, Filter Magic II and Non-Filter Options



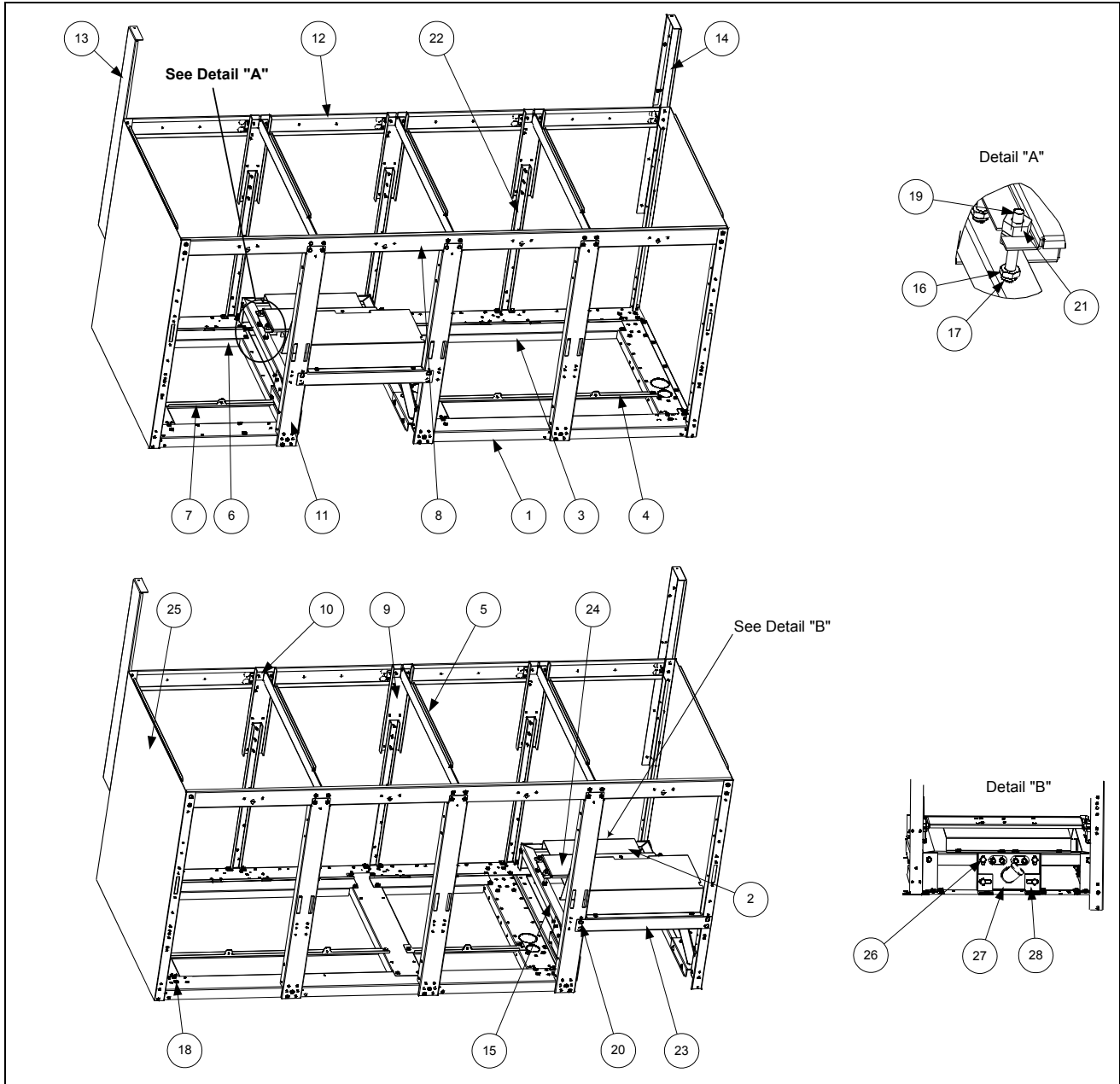
| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 200-0076 | Divider, Cabinet, Common Electric |
| 2 | 200-0084 | Brace, Rear Horizontal, 2 Battery (Quad and Double) |
| * | 200-0085 | Brace, Rear Horizontal, 3 Battery (Triple) |
| 3 | 200-0091 | Rail, Top- Quad Cabinet |
| * | 200-0072 | Rail, Top- Triple Cabinet |
| * | 200-0081SP | Rail, Top- Double Cabinet |
| 4 | 200-0092 | Support, Rear, Common Electric |
| 5 | 200-0126 | Brace, Rear Support |
| 6 | 200-0138 | Door Post, Common Electric |
| 7 | 201-0093 | Enclosure, Rear Upright with Hole (Quad Only) |
| 8 | 201-0137 | Upright, Rear Enclosure, Common Electric |
| 9 | 202-0093 | Enclosure, Rear Upright with Hole (Quad Only) |
| 10 | 202-0137 | Upright, Rear Enclosure, Common Electric |
| 11 | 806-7005SP | Base, Filter Assembly, Common Electric- Quad |
| * | 806-6513SP | Base, Filter Assembly, Common Electric- Triple |
| * | 806-6511SP | Base, Filter Assembly, Common Electric- Double |
| * | 806-6997SP | Base Assembly, Common Electric N/F- Double |
| * | 806-6999SP | Base Assembly, Common Electric N/F- Triple |
| * | 806-7001SP | Base Assembly, Common Electric N/F- Quad |
| 12 | 826-1376 | Nut, 10-32 (Pkg. of 10) |
| 13 | 826-1374 | Screw, #10 1/2-Inch (Pkg. of 25) |

Continued on following page.

| ITEM | PART # | COMPONENT |
|-------------|---------------|---|
| 14 | 809-0413 | Spacer, Door Post (Quad and Triple Only) |
| 15 | 809-0422 | Screw, Shoulder- 10-32 x .40 |
| 16 | 809-0538 | Bolt, Shoulder- ¼-20 x 3/8 |
| 17 | 823-2290 | Front Bridge Support, Left |
| 18 | 823-2291 | Front Bridge Support, Right |
| 19 | 900-1957 | Lock Filter |
| 20 | 900-1959 | Bracket, Mounting, Filter Lock |
| 21 | 900-2463 | Post, Center Door, Common Electric |
| 22 | 900-2464SP | Brace, Lower, Front Horizontal, Common Electric |
| 23 | 900-2514 | Bridge, Common Electric |
| 24 | 900-2653 | Plate, Swivel, Common Electric |
| 25 | 900-2718 | Brace, Contactor, Front, Common Electric w/Filter-Quad |
| * | 200-0078 | Brace, Contactor, Front, Common Electric [(w/Filter-Triple), N/F- Quad] |
| * | 200-0075 | Support, Contactor, Front, Common Electric N/F |
| 26 | 900-2720 | Brace, Contactor, Rear, Common Electric-Quad |
| * | 200-0077 | Brace, Contactor, Rear, Common Electric [(w/Filter-Triple), N/F- Quad] |
| * | 200-0074 | Support, Contactor, Rear, Common Electric N/F |
| 27 | 900-2861SP | Support, Bottom, Common Electric |
| 28 | 900-5988 | Support, Rear, Bridge Filter, Common Electric |
| 29 | 901-1810 | Gusset, Cabinet, Left |
| * | 902-1810 | Gusset, Cabinet, Right |
| 30 | 901-1948 | Channel, Side Support |
| 31 | 910-2456SP | Side, Cabinet – Stainless Steel, Common Electric |
| * | 900-2456SP | Side, Cabinet – Enameled Steel, Common Electric |
| * | 901-2843SP | Side, FM Common Electric w/Cut-out Left Cabinet, Enameled Steel |
| * | 902-2843SP | Side, FM Common Electric w/Cut-out Right Cabinet, Enameled Steel |
| * | 911-2843SP | Side, FM Common Electric w/Cut-out Left Cabinet, Stainless Steel |
| * | 912-2843SP | Side, FM Common Electric w/Cut-out Right Cabinet, Stainless Steel |
| * | 900-8451 | Back, Lower Triple |
| * | 900-8450 | Back, Lower Double |
| * | 900-5145 | Back, Center Triple |
| * | 900-5143 | Back, Center Double |
| * | 900-9635 | Back, Upper Triple |
| * | 900-9637 | Back, Upper Double |
| 32 | 900-9585 | Heat Shield, Wire, Common Electric |

* Not illustrated.

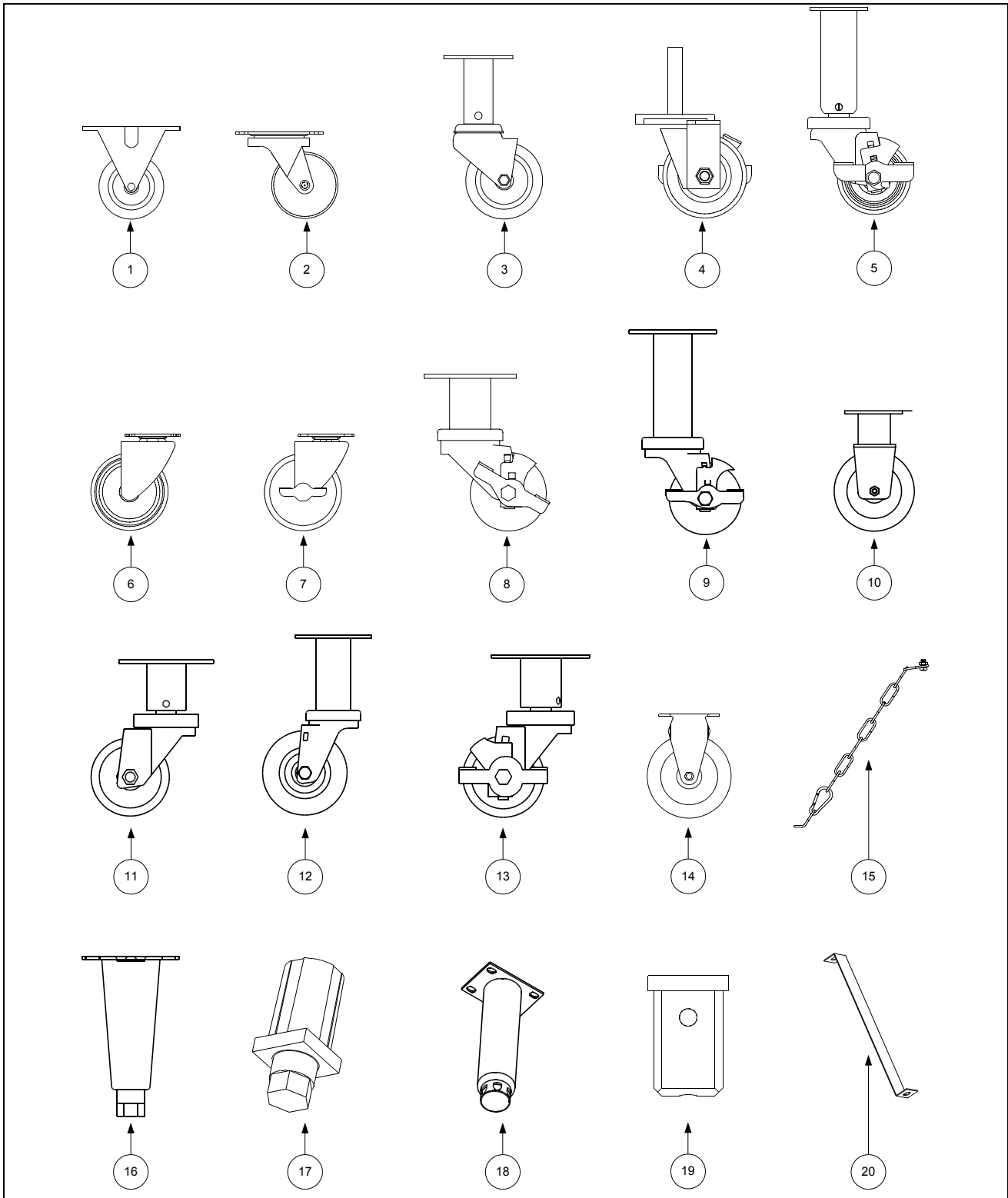
2.3.5 Common Electric Filter Magic Unitary Cabinetry (after 8/2000)



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 106-0215 | Base Assembly, Quad—FM Common Electric (1F24) |
| * | 106-0217 | Base Assembly, Quad—FM Common Electric (31F2) |
| * | 106-0218 | Base Assembly, Quad—FM Common Electric (531F) |
| * | 106-0220 | Base Assembly, Quad—FM Common Electric (F246) |
| * | 106-0214 | Base Assembly, Triple—FM Common Electric (1F2) |
| * | 106-0216 | Base Assembly, Triple—FM Common Electric (31F) |
| * | 106-0219 | Base Assembly, Triple—FM Common Electric (F24) |
| * | 106-0221 | Base Assembly, Double—FM Common Electric (F2) |
| * | 106-0222 | Base Assembly, Double—FM Common Electric (1F) |
| 2 | 200-0020 | Shield, Filter Magic Pan CE |
| 3 | 200-0074 | Support, Rear Contactor Box |
| 4 | 200-0075 | Support, Front Contactor Box |
| 5 | 200-0076 | Divider, Cabinet Common Electric |
| 6 | 200-0077 | Brace, Rear Contactor Box |
| 7 | 200-0078 | Brace, Front Contactor Box Common Electric |
| 8 | 200-0091 | Brace (Rail), Top Quad Common Electric |
| * | 200-0072 | Brace (Rail), Top Triple Common Electric |
| * | 200-0081SP | Brace (Rail), Top Double Common Electric |
| 9 | 200-0092 | Support, Rear Common Electric |
| 10 | 200-0126 | Brace, Rear Support |
| 11 | 200-0138 | Doorpost, Common Electric |
| 12 | 200-0343 | Brace, Rear Horizontal-Quad Common Electric |
| * | 200-0085 | Brace, Rear Horizontal-Triple Common Electric |
| * | 200-0084 | Brace, Rear Horizontal-Double Common Electric |
| 13 | 201-0137 | Upright, Rear Enclosure, Left, Common Electric |
| 14 | 202-0137 | Upright, Rear Enclosure, Right, Common Electric |
| 15 | 806-8062SP | Filter Rail Assembly, Common Electric FM |
| 16 | 826-1362 | Nut, ¼ - 20 Hex (Pkg. of 10) |
| 17 | 809-0191 | Washer, ¼ Lock |
| 18 | 826-1374 | Screw, #10 - ½ Hex (Pkg. of 25) |
| 19 | 809-0429 | Bolt, ¼ - 20 x 2 |
| 20 | 826-1379 | Screw, #10 x ½ Phillips (Pkg. of 10) |
| 21 | 810-0665 | Leveling Nut |
| 22 | 900-2861SP | Support, Bottom Common Electric |
| 23 | 900-4391SP | Brace, Cabinet Front |
| 24 | 900-8582 | Mount, Motor- Single FP Common Electric |
| 25 | 910-2456SP | Side, Cabinet—Stainless Steel Common Electric |
| * | 900-2456SP | Side, Cabinet—Cold Rolled Steel Common Electric |
| 26 | 826-1389 | Screw, Hex Head— ¼-20 x ¾ (Pkg. of 10) |
| 27 | 823-2827 | Mount (Weld Assembly) Common Electric Single FP |
| 28 | 900-8591 | Bracket, Mount – Common Electric Single FP |

* Not illustrated.

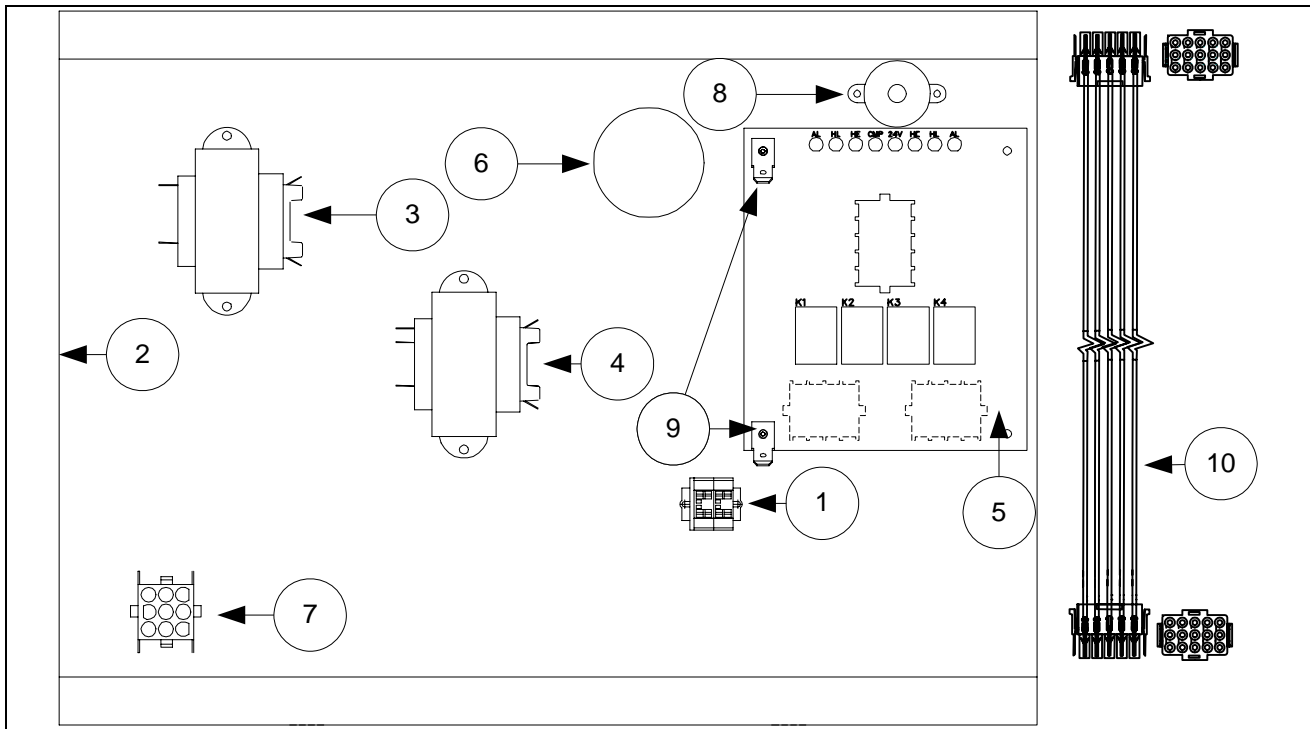
2.4 Casters, Legs and Associated Hardware



| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 810-0005 | Caster, Rigid |
| 2 | 810-0006 | Caster, Swivel-Rokite |
| 3 | 810-0327 | Caster, Adjustable, Without Brake |
| 4 | 810-1565 | Caster, Stud, Single FP 3-inch, With Lock |
| * | 823-2844 | Caster, With Brake – Single FP Electric |
| 5 | 810-0944 | Caster, Adjustable 3-inch With Brake |
| 6 | 810-0356 | Caster, 5-inch Wheel Without Brake |
| 7 | 810-0357 | Caster, 5-inch Wheel With Brake |
| 8 | 810-0651 | Caster w/Brake –FootPrint II |
| 9 | 810-1239 | Caster, 8.5-inch Swivel w/Brake <i>(for Cracker Barrel units, use 810-2737)</i> |
| 10 | 810-1242 | Caster, 8.5-inch Rigid |
| 11 | 810-1367 | Caster, Adjustable 3-inch w/o Brake |
| 12 | 810-1494 | Caster, 8.5-inch Swivel w/o Brake <i>(for Cracker Barrel units, use 810-2738)</i> |
| 13 | 810-1365 | Caster, Adjustable 3-inch w/Brake |
| 14 | 810-0378 | Caster, Stationary Rigid, 5-inch Wheel |
| 15 | 826-0900 | Chain Restraint Kit (for use on fryers w/casters) |
| 16 | 806-3811 | Leg, Package (4 per set) |
| 17 | 810-0007 | Leg, Adjustable (For 1 ¼-inch square tubing) |
| 18 | 826-1234 | Leg, Adjustable, 8.5-inch (with hardware) |
| 19 | 810-1414 | Insert, Square Leg, Baby FootPrint |
| * | 910-7925 | Leg ,Single FootPrint w/Caster Front Filter |
| * | 910-1601 | Leg, Square, Filter Cabinet Front |
| * | 910-8659 | Leg, Cabinet Front— Common Electric Single FootPrint |
| 20 | 900-2941 | Strap, Anchor—Common Electric |
| * | 900-1835 | Strap, Anchor—Single Fryers with Legs |

* Not illustrated.

2.5 Component Box Assemblies and Associated Hardware

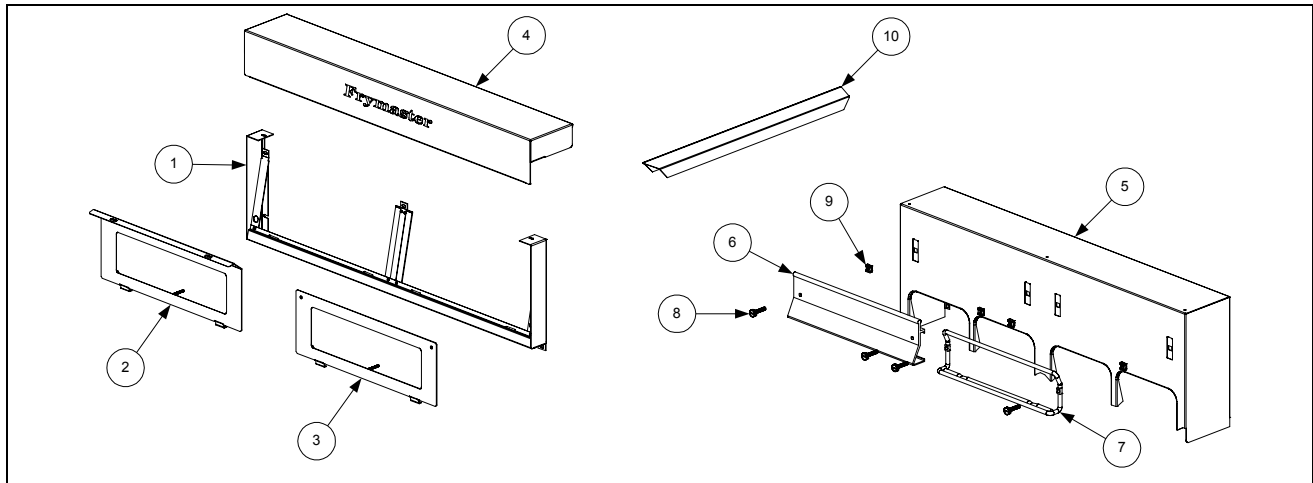


| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 810-1164 | Terminal Block Wire Assembly |
| 2 | 806-8244 | Component Box/Stud Assembly |
| 3 | | Transformer, 12VAC |
| | 807-2191 | 208-240 V |
| | 807-0979 | 208-240V |
| | 807-2192 | 100-120V |
| | 807-0855 | 120V, 20VA |
| 4 | | Transformer, 24VAC |
| | 807-0680 | 208-240 V (without fuse) |
| | 807-2180 | 208-240 V (with fuse) |
| | 807-2181 | 100-120V, 62VA (with wires) |
| | 807-0800 | 120V, 50VA (without wires) |
| * | 807-1999 | 12/24 VAC Transformer, 208/220/230/240, 20/50 VA (Single FootPrint) |
| 5 | | Interface Board |
| | 806-6336 | Standard Models |
| | 806-3850 | HE EF Models w/Rear Probe |
| | 806-6347 | Solid State (Triac) Models |
| | 106-2982 | Fast Computer |
| * | 807-3932 | Relay, Heat/Latch 12VDC SPDT 12A |
| 6 | 807-1084 | Bushing |
| 7 | 806-6854SP | Wiring Assembly, Transformer |
| 8 | 806-7179SP | Sound Device |
| 9 | 826-1337 | Terminal Tab (Pkg. of 5) |
| 10 | 806-2071 | Cable Assembly, Computer/Interface Board |

* Not illustrated.

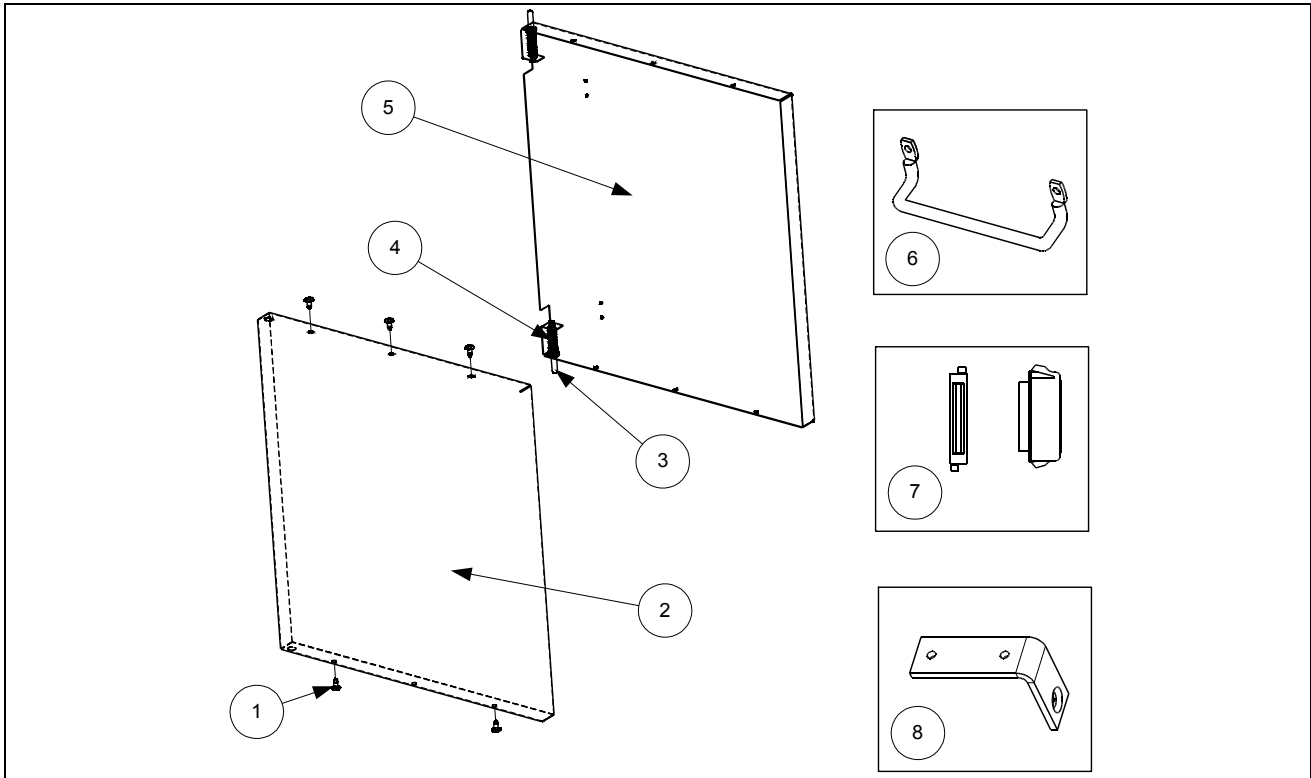
2.6 Control Panel Assemblies, Doors, and Related Components

2.6.1 Control Panel Assemblies, Top Caps, and Associated Components



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | | Control Panel Assembly |
| | 806-7171SP | Single Fryer |
| | 806-7172SP | Two-Fryer Battery |
| | 806-7173SP | Three-Fryer Battery |
| | 806-7174SP | Four-Fryer Battery |
| | 106-2171SP | Five-Fryer Battery |
| | 106-2324SP | Applebee's Fryer with Dump Station on Left |
| | 106-2325SP | Applebee's Fryer with Dump Station on Right |
| 2 | 823-2307 | Control Panel Bezel, with Slot |
| 3 | 823-0768 | Control Panel Bezel, without Slots (for Digital and Analog Controllers) |
| 4 | | Topcap |
| | 106-3034SP | Single Non-Filter |
| | 824-0409 | Single FootPrint (<i>requires Item 9 also</i>) |
| | 106-3033SP | Double |
| | 106-3035SP | Triple |
| | 106-3036SP | Quad Common Electric |
| | 824-1037 | 5-Battery (<i>requires Item 9 also</i>) |
| | 824-1047 | Applebee's Fryer with Dump Station on Left (<i>requires Item 9 also</i>) |
| | 824-1048 | Applebee's Fryer with Dump Station on Right (<i>requires Item 9 also</i>) |
| 5 | | Tilt Housing |
| | 824-0791 | Single |
| | 824-0789 | Double |
| | 824-0798 | Triple |
| | 824-0799 | Quad |
| | 824-0852 | 5-Battery |
| 6 | | Basket Hanger, Aluminum (No longer available, use Item 7) |
| 7 | 810-1403 | Basket Hanger, Wire |
| 8 | 809-0171 | Screw, Basket Hanger |
| 9 | 826-1351 | Cage Nut (Pkg. of 10) (receives Basket Hanger Screw) |
| 10 | 823-1885 | Top Connecting Strip |

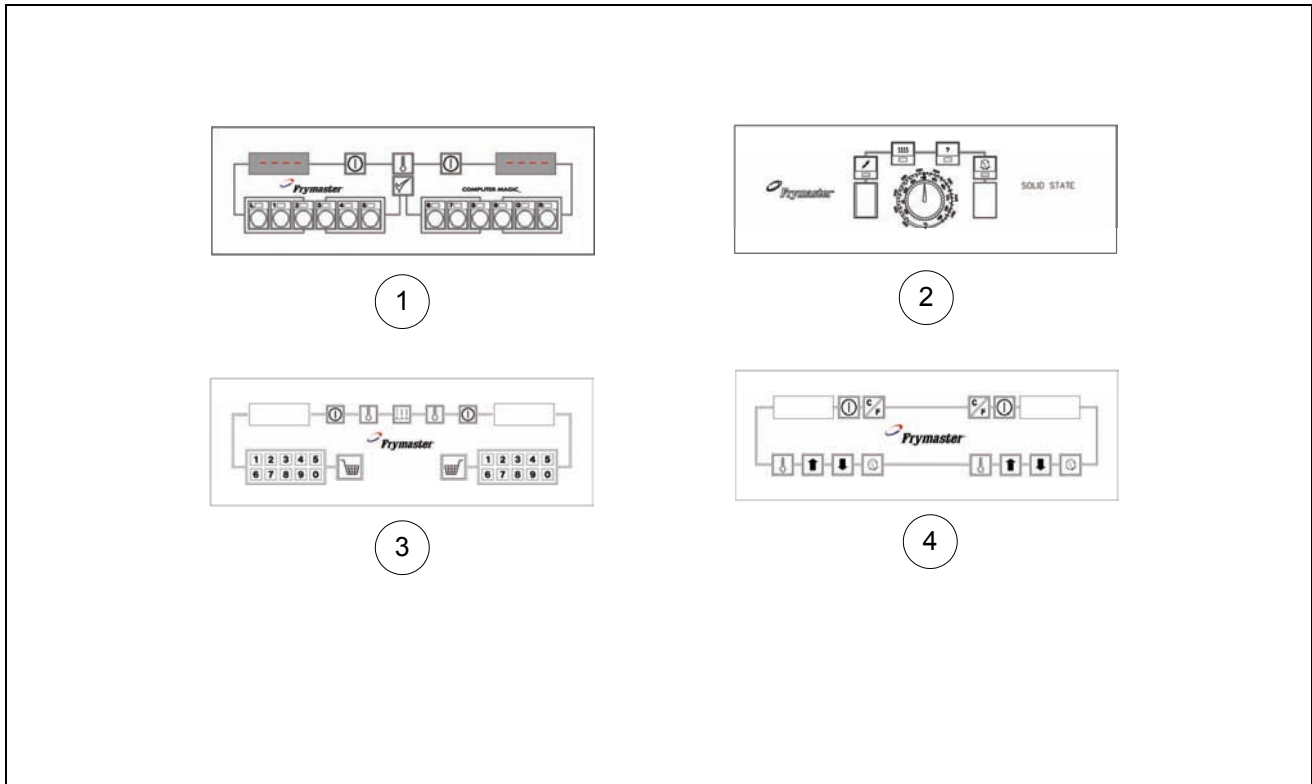
2.6.2 Door Assembly Components



| ITEM | PART # | COMPONENT |
|------|------------|--|
| | 806-6545SP | Door Assembly, Universal |
| 1 | 809-0266 | Screw, #10- 1/2-inch |
| 2 | 824-0137SP | Panel, Door |
| 3 | 806-4487SP | Door Pin Assembly |
| * | 809-0193 | Washer, Flat 1/4-Inch Nylon (Door Pin Bushing) |
| 4 | 826-1343 | Spring, Door Hinge (Pkg. of 10) |
| 5 | 900-2485 | Liner, Door |
| 6 | 810-1422 | Handle, Wireform, Door |
| 7 | 810-1105 | Magnet, Door |
| 8 | 810-1508 | Hinge, Universal Door |

* Not illustrated.

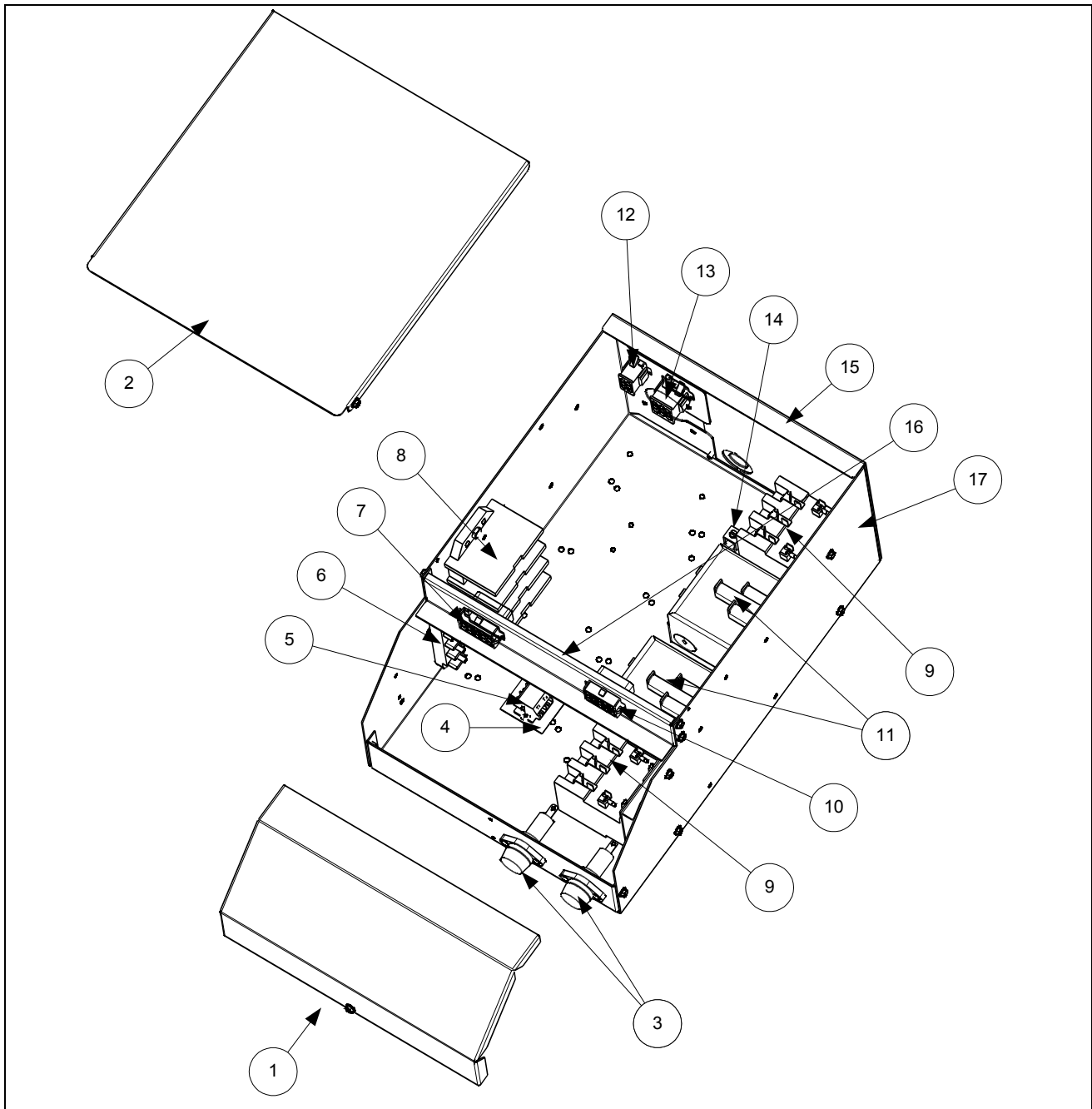
2.7 Controller Assemblies



| ITEM | PART # | COMPONENT |
|------|------------|------------------------------|
| 1 | | Computer Magic III |
| | 106-1193 | Full-vat (CE) |
| | 106-1194 | Dual-vat (CE) |
| | 806-7158 | Full-vat (Domestic) |
| | 806-7159 | Dual-vat (Domestic) |
| | 806-7162 | Full-vat (Triac/Solid-State) |
| | 806-7163 | Dual-vat (Triac/Solid-State) |
| 2 | | Analog Controller |
| | 806-7422 | Full-vat |
| | 806-7423 | Dual-vat |
| 3 | | Basket Lift Timer |
| | 106-2090SP | Full-vat (CE) |
| | 106-2091SP | Dual-vat (CE) |
| | 106-2088SP | Full-vat (Domestic) |
| | 106-2076SP | Dual-vat (Domestic) |
| 4 | | Digital Controller |
| | 106-1507 | Full-vat (CE) |
| | 106-1508 | Dual-vat (CE) |
| | 106-1503 | Full-vat (Domestic) |
| | 106-1952 | Dual-vat (Domestic) |

2.8 Electrical Components

2.8.1 Contactor Box Components, Mercury Contactor

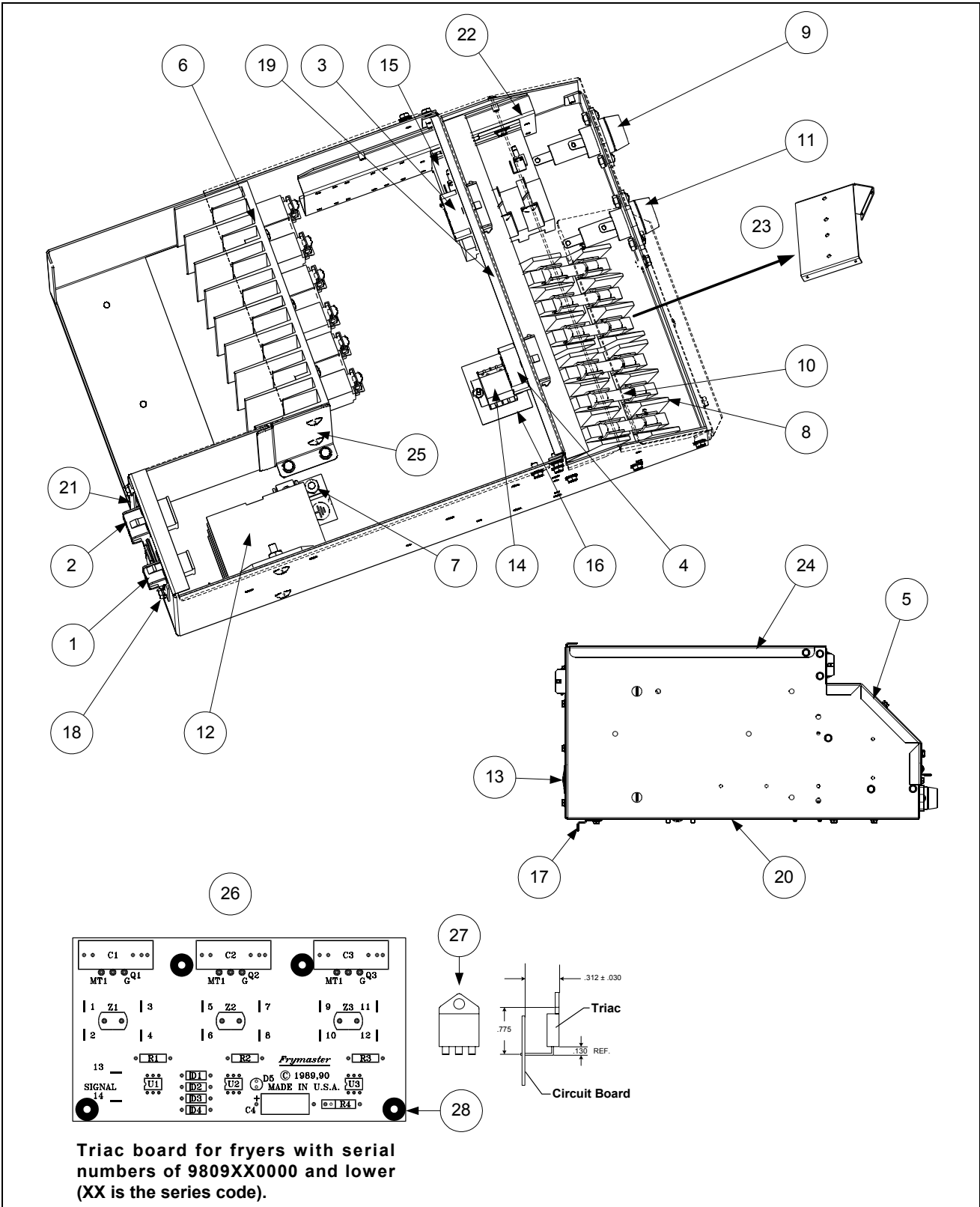


| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 900-5445 | Front Cover, Contactor Box |
| 2 | 900-5446 | Top Cover, Contactor Box |
| 3 | 807-0922 | Holder, Buss Fuse |
| * | 807-2278 | Fuse, 20 Amp |
| * | 807-2279 | Fuse, 15 Amp |
| * | 807-0501 | Fuse Block 3-Pole Buss (22kW) |
| * | 807-2240 | Fuse 60 Amp (22kW) |
| * | 807-2865 | Block Support, Fuse (22kW) |
| 4 | 816-0217 | Paper, Insulating Terminal Block (CE) |
| 5 | 810-1164 | Terminal Block |
| 6 | 807-1973 | Terminal Post |
| 7 | | C1 Wiring Assembly |
| | 806-7198SP | For Dual-vat Applications |
| | 806-7199SP | For Full-vat Applications |
| 8 | 807-2464 | Power Block, Delta |
| * | 807-2465 | Power Block, WYE |
| 9 | 810-1202 | Contactor, 3-Pole 600V 40 Amp |
| 10 | | C2 Wiring Assembly |
| | 806-7191SP | Dual- and Full-vat |
| 11 | 807-1071 | Contactor, Mercury 24 VAC 30 Amp |
| * | 807-0884 | Contactor, Mercury 24 VAC 50 Amp (See NOTE) |
| 12 | 806-7183SP | Wire Assembly, Left, Dual-vat |
| * | 806-7186SP | Wire Assembly, Left, Full-vat |
| * | 807-2136 | Connector, 6-Pin Female |
| * | 807-2135 | Connector, 6-Pin Male |
| 13 | 806-7185SP | Wire Assembly, Right (Full- and Dual-vat) |
| * | 807-2138 | Connector, 9-Pin Female |
| * | 807-2137 | Connector, 9-Pin Male |
| 14 | 807-0070 | Terminal, Ground Lug |
| 15 | 900-5447 | Back Cover, Contactor Box |
| 16 | 900-5782 | Bracket, Connector Common Electric |
| 17 | 900-5444 | Box, Contactor Common Electric |

* Not illustrated.

NOTE: For H22 Models using 208-240V, but not 480V.

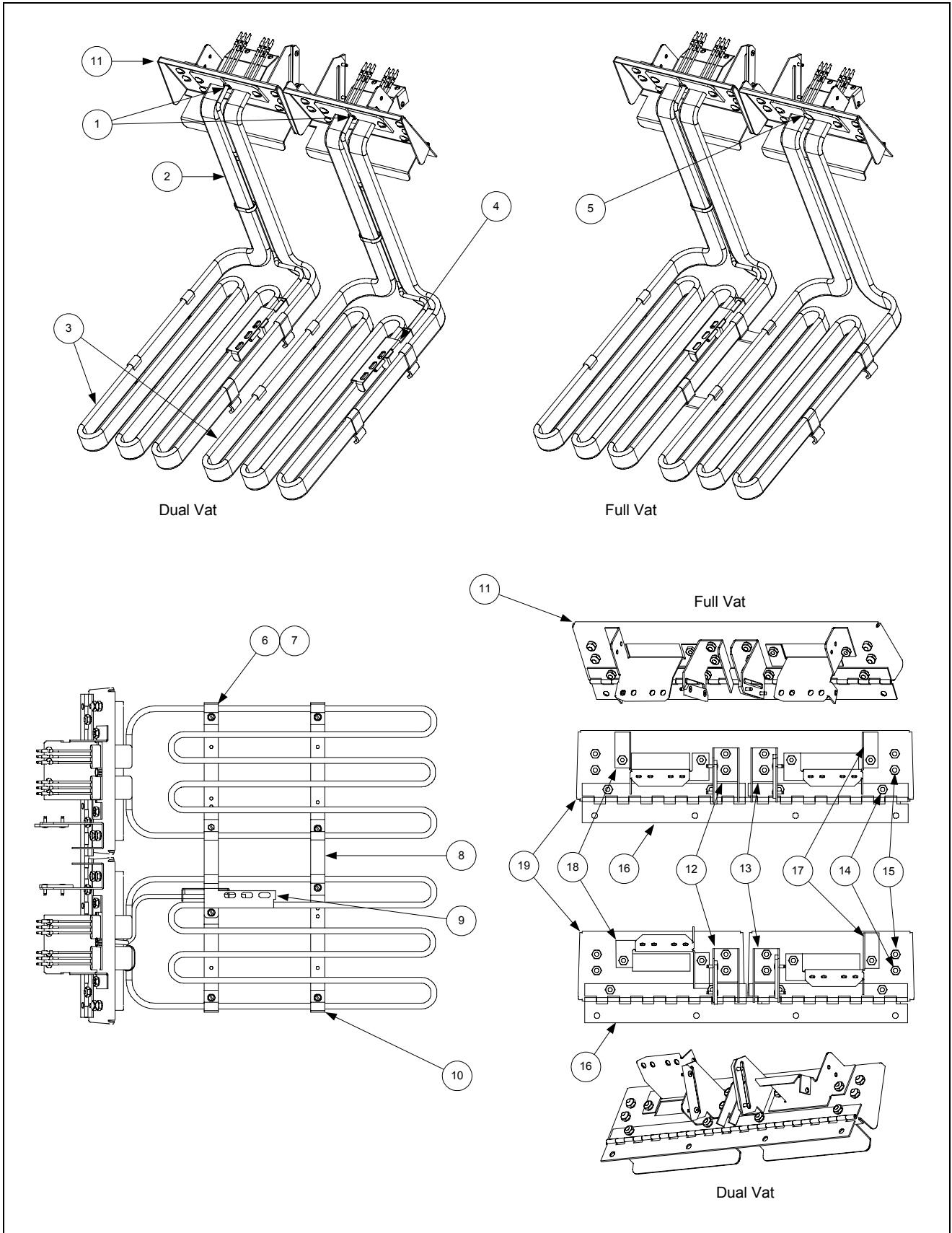
2.8.2 Contactor Box Components, Solid State Relays (Triac)



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 806-7185SP | Wire Assembly, HV Right Contactor |
| * | 806-7184SP | Wire Assembly, HV Right FV H22 Contactor |
| 2 | 806-7186SP | Wire Assembly, HV Left FV Contactor |
| * | 806-7188SP | Wire Assembly, HV Left FV H22 Contactor |
| * | 806-7183SP | Wire Assembly, HV Left DV Contactor |
| 3 | 806-7191 | C2 Wire Assembly, Common Electric |
| 4 | 806-7198 | C1 Wire Assembly, Dual-vat Common Electric |
| * | 806-7199 | C1 Wire Assembly, Full-vat Common Electric |
| 5 | 806-8589 | Front Assembly, Fuse Contactor Box Common Electric |
| 6 | 806-8673 | Heat Sink Assembly, Full-vat Solid State Relay |
| * | 806-8674 | Heat Sink Assembly, Dual-vat Solid State Relay |
| * | 826-1562 | Kit, 40A 280V Relay w/Heat Sink Compound |
| 7 | 806-0070 | Terminal, Ground Lug |
| 8 | 807-0501 | Fuse Block, Buss #2968 3-Pole |
| 9 | 807-0922 | Holder, Buss Fuse HPS |
| 10 | 807-2240 | Fuse, Buss 60 Amp 300 VAC |
| 11 | 807-2278 | Fuse, 20 Amp |
| 12 | 807-2464 | Power Block, Delta Common Electric |
| * | 807-2465 | Power Block, WYE Common Electric |
| * | 806-9124 | Filter Assembly (WYE Solid-State/Triac Contactor Box Only) |
| 13 | 810-0743 | Button, Plug 3/4-inch |
| 14 | 810-1164 | Terminal Block, 1 PLC Screwless |
| * | 807-0064 | Transformer-150VA, 480V Applications, w/o Basket Lift |
| * | 807-0331 | Transformer-250VA, 480V Applications, w/Basket Lift |
| 15 | 810-1202 | Contactor, 3-Pole 600V 40 Amp |
| 16 | 816-0217 | Paper, Insulating Terminal Block CE |
| 17 | 900-2519 | Hinge, Control Box Common Electric |
| 18 | 900-2752 | Plate, Cordset Common Electric |
| 19 | 900-5782 | Bracket, Connector Common Electric Box |
| 20 | 900-5784 | Box, Contactor Common Electric |
| 21 | 900-5785 | Rear, Triac Contactor Box Common Electric |
| 22 | 900-5786 | Rail, 2-Contactor Common Electric |
| 23 | 900-5797 | Support, Fuse Block Common Electric |
| 24 | 900-5895 | Top, Triac Contactor Box Common Electric |
| 25 | 900-8239 | Rear, Split Triac Contactor Box |
| 26 | 806-5072 | Triac Board Assembly (2 required for Dual-vat Applications) |
| * | 812-1283 | Heat Sink, Triac Board |
| 27 | 807-1276 | Triac 600/40A TO-218 |
| * | 815-0554 | Heat Sink Compound (required for installing Triac Board to Heat Sink) |
| 28 | 807-1337 | Standoff, Triac Board |

* Not illustrated.

2.8.3 Elements and Related Components



| ITEM | PART # | COMPONENT |
|------|------------|-------------------------------------|
| 1 | 826-1339 | Bushing, .375 Split (Pkg. of 10) |
| 2 | 809-0567 | Ty-Wrap, Metal |
| 3 | | Heating Element |
| | 807-2639 | 208V 7 kW |
| | 807-2640 | 208V 8.5 kW |
| | 807-2641 | 220V 8.5 kW |
| | 807-2642 | 230V 7 kW |
| | 807-2643 | 230V 8.5 kW |
| | 807-2644 | 240V 7 kW |
| | 807-2645 | 240V 8.5 kW/ 220V 7 kW |
| | 807-2646 | 200V 8.5 kW |
| | 807-2647 | 380V 7 kW |
| | 807-2648 | 380V 8.5 kW |
| | 807-2649 | 440V 7 kW |
| | 807-2650 | 440V 8.5 kW |
| | 807-2651 | 480V 7 kW |
| | 807-2652 | 480V 8.5 kW |
| | 807-2653 | 400V 8.5 kW |
| | 807-3171 | 220V 11 kW |
| | 807-3172 | 230V 11 kW |
| | 807-3173 | 240V 11 kW |
| | 807-3174 | 200V 11 kW |
| | 807-3175 | 380V 11 kW |
| | 807-3176 | 440V 11 kW |
| | 807-3177 | 480V 11 kW |
| | 807-3178 | 400V 11 kW |
| | 807-3237 | 208V 11 kW |
| * | | Heating Element Assemblies |
| | 806-3141SP | 208V, 14kW Full-vat |
| | 806-3142SP | 240V 7kW Dual-vat |
| | 806-8474SP | 240V 14 kW Full-vat |
| | 806-7887SP | 230V H22, Dual-vat |
| | 806-8497SP | 440V H14/17, Full-vat |
| | 806-8677SP | In-N-Out 208V 22kW |
| 4 | 807-2478 | Temperature Probe |
| 5 | 816-0480 | Dome Plug, .375 OD. (Full-vat Only) |
| 6 | 809-0518 | Screw #8 32 x 3/8-inch |
| 7 | 910-2042 | Clamp, Element |
| 8 | 910-3681 | Element Support, Full-vat |
| * | 910-5214 | Element Support, Dual-vat |
| 9 | 910-5022 | Bracket, Temperature Probe |
| 10 | 910-5213 | Clamp, H14/H17 Element |
| 11 | 106-0003SP | Tilt Plate Assembly, Full-vat |
| * | 106-0004SP | Tilt Plate Assembly, Dual-vat |
| 12 | 106-0573SP | Spring Slot Bracket Assembly, Right |
| 13 | 106-0572SP | Spring Slot Bracket Assembly, Left |
| * | 810-0297 | Spring, Element (14 and 17kW only) |

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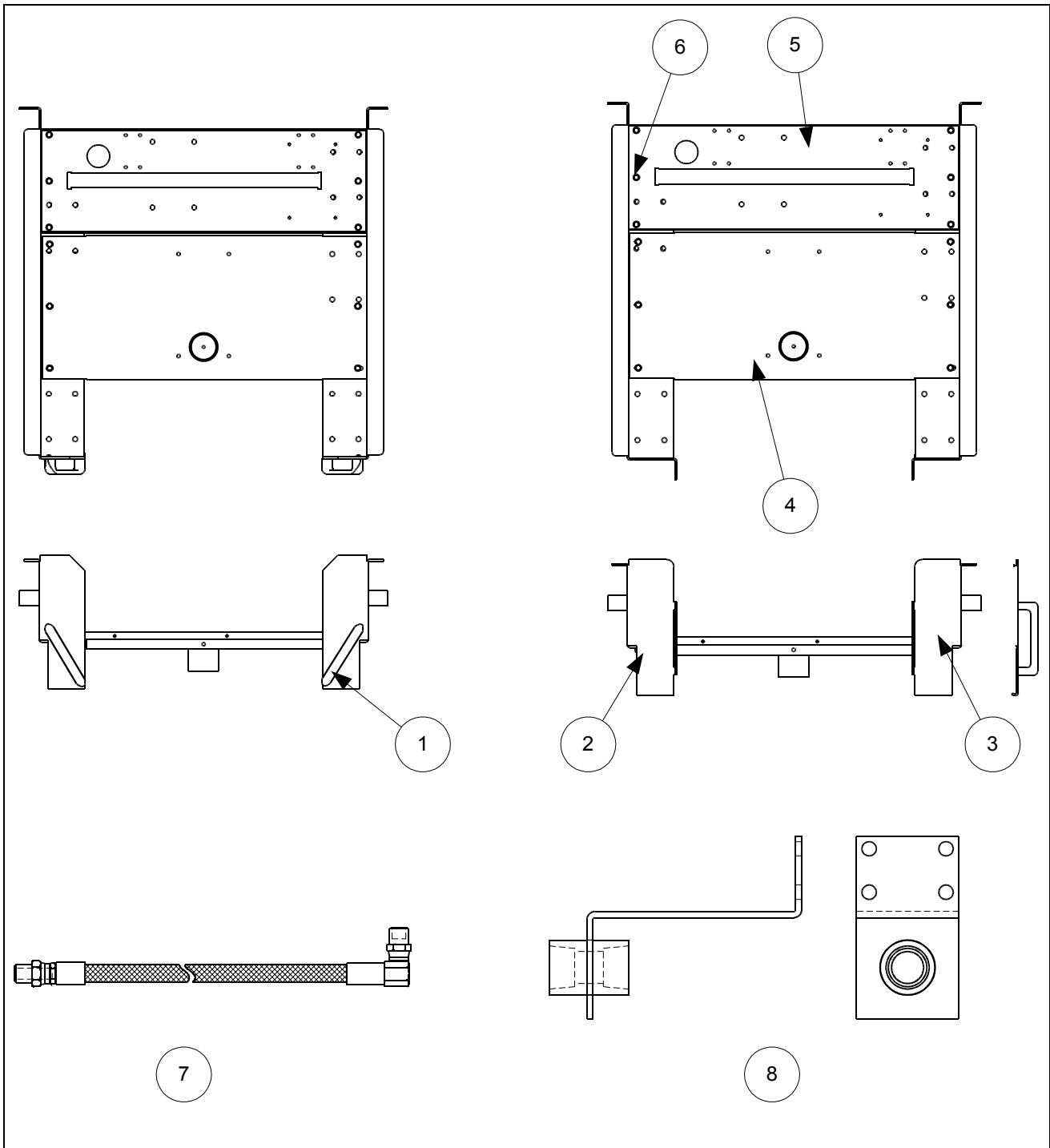
| ITEM | PART # | COMPONENT |
|-------------|---------------|---|
| * | 810-1546 | Spring, Element (22kW only) |
| | | Tilt Plate Assembly, Individual Components |
| 14 | 826-1330 | Screw, 10-32 x 3/8 (Pkg. of 25) |
| 15 | 826-1376 | Nut, 10-32 (Pkg. of 10) |
| 16 | 810-0035 | Hinge, Stainless Steel Split—14-Inch |
| 17 | 901-8509 | Bracket, Element Support, Left |
| 18 | 902-8509 | Bracket, Element Support, Right |
| 19 | 910-9640 | Plate, Tilt, Full-vat (1 Required) |
| 19 | 910-9641 | Plate, Tilt, Dual-vat (2 Required) |
| * | 826-1061 | Tilt Switch, Mercury Non-CE (Full-Vat requires one switch and Dual-Vat requires two.) |
| * | 826-2228 | Tilt Switch, CE (Full-Vat requires one switch and Dual-Vat requires two.) |

* Not illustrated.

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2.9 Filter Base/Pan Assemblies

2.9.1 Filter Base Assemblies and Components, FootPrint III

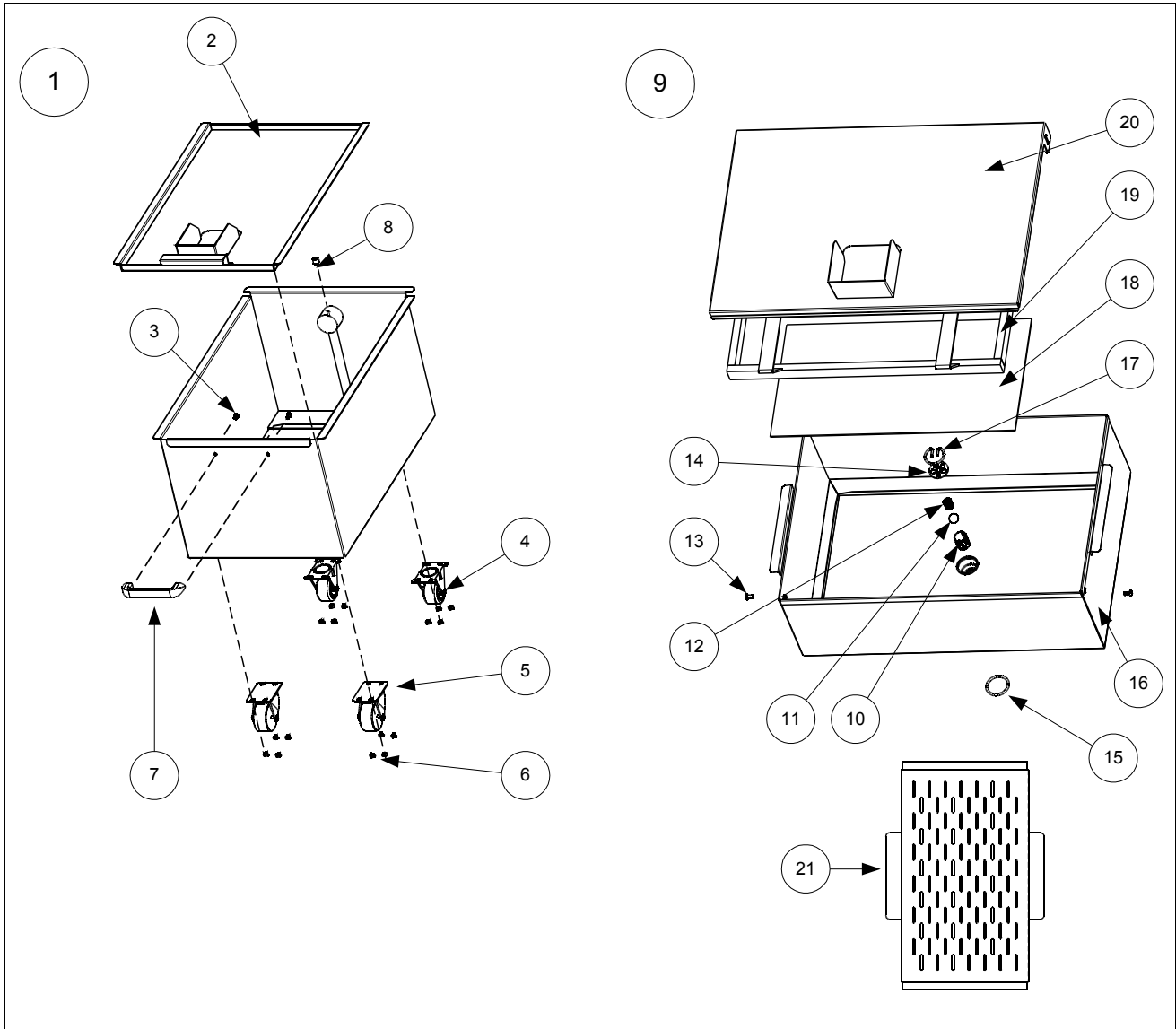


| ITEM | PART # | COMPONENT |
|------|------------|---|
| | 806-8648SP | Filter Base Assembly, FootPrint III (After 8/97) |
| | 806-5985SP | Filter Base Assembly, FootPrint III w/Casters (Before 8/97) |
| 1 | 810-0180 | Handle, Filter Base Assembly |
| * | 826-1360 | Screw, #10-24 x 5/16 [Pkg. of 25 (to attach P/N 810-0180)] |
| 2 | 901-8542 | Filter Base, Left Side |
| 3 | 902-8542 | Filter Base, Right Side |
| 4 | 823-2289 | Filter Pan Support |
| 5 | 900-5396 | Motor Support |
| 6 | 826-1374 | Screw, #10-1/2 Hex Head (Pkg. of 25) |
| * | 900-5477 | Cover, Motor (August 1997 and later) |
| * | 824-0558 | Cover, Motor (Prior to August 1997) |
| * | 900-1949 | Standoff, Filter Wiring Box |
| 7 | 810-1423 | Hose, Oil Return |
| 8 | 823-2638 | Bracket, Oil Return Hose |

* Not illustrated.

NOTE: Item 1 (P/N 810-0180 Handle, Filter Base Assembly) is available as a replacement for damaged handles on base assemblies manufactured from 8/97 to 8/99. If damaged filter bases need replacement, they must be replaced with P/N 901-8542 and 902-8542, which include handles. Filter bases with replaceable handles are no longer available.

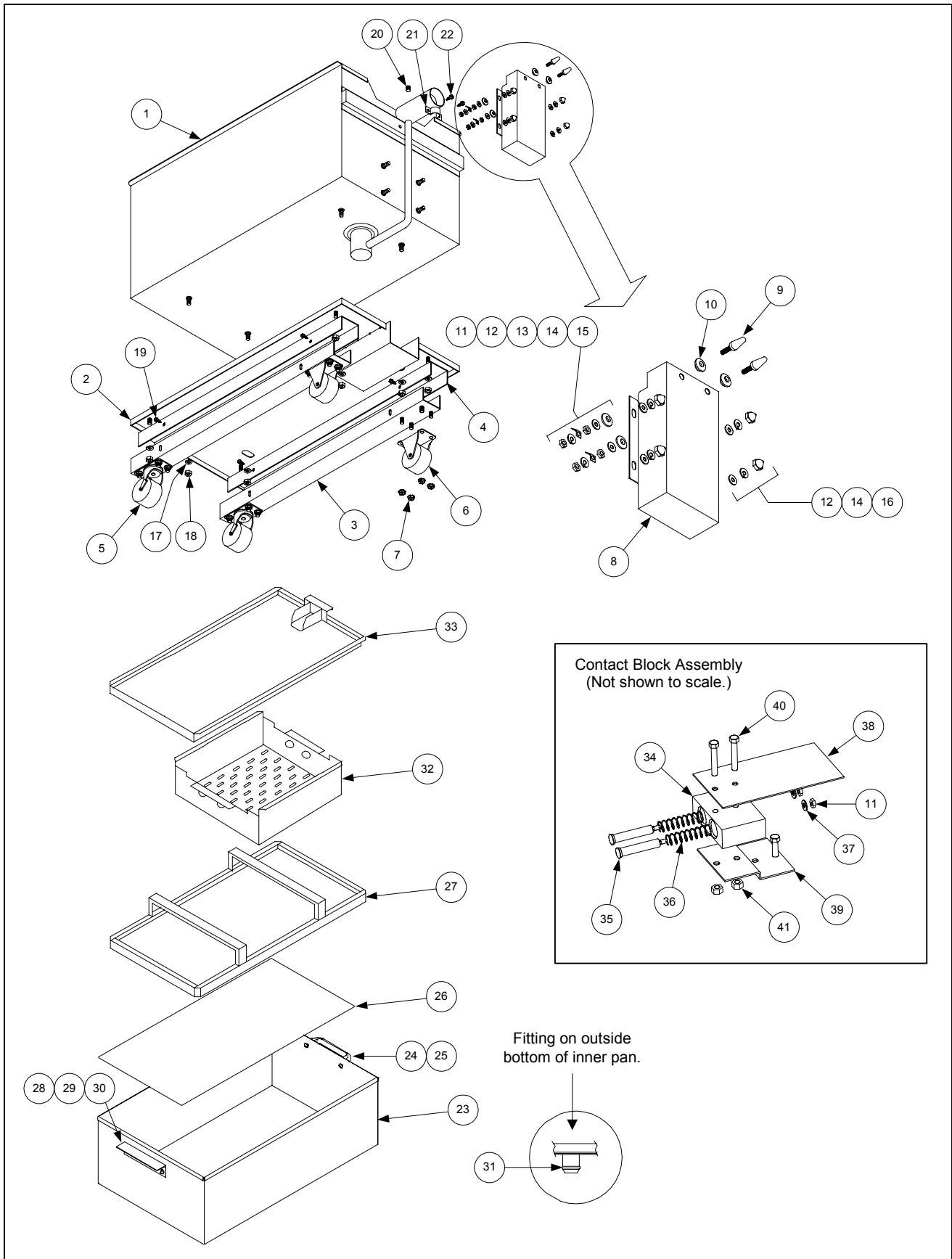
2.9.2 Filter Pan Assemblies, Single FootPrint and FootPrint III



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 806-9546SP | Filter Pan Assembly, Single FootPrint [See Section 2.9.3 Filter Magic II (Before 2/99)] for filter screen, crumb screen and other inner-pan components) |
| * | 823-2828 | Filter Pan |
| 2 | 806-9547SP | Cover Assembly, Filter Pan |
| * | 809-0045 | Nut, 10-32 |
| * | 809-0117 | Screw, 10-32 x 3/8 SS |
| * | 809-0185 | Washer, Flat #10 |
| * | 910-1816 | Handle, Filter Pan, Single FootPrint |
| 3 | 826-1360 | Screw, 10-24 x 5/16 (Pkg. of 25) |
| 4 | 810-0005 | Caster, Rigid |
| 5 | 810-0006 | Caster, Swivel |
| 6 | 826-1376 | Nut, 10-32 (Pkg. of 10) |
| 7 | 810-0180 | Handle, Door |
| 8 | 813-0411 | Plug, Pipe-1/8 Internal Hex |
| 9 | 806-5618SP | Filter Pan Assembly, FootPrint III |
| 10 | 810-1388 | Tube, Check Valve |
| 11 | 810-0948 | Ball, Check Valve |
| 12 | 810-0946 | Spring, Check Valve |
| 13 | 809-0422 | Screw, Shoulder 10-32 x 7/16 |
| 14 | 900-5448 | Strain Plate, Check Valve |
| 15 | 816-0181 | O-Ring, Check Valve |
| 16 | 823-1979SP | Filter Pan |
| 17 | 810-1387 | Retainer, Check Valve |
| 18 | 900-8819 | Screen, Filter |
| 19 | 810-1405 | Hold-down Ring |
| 20 | 823-2027 | Cover, Filter Pan |
| 21 | 824-0430 | Screen, Crumb |
| * | 826-1490 | Kit, Filter Pan Check Valve Service (Items 10, 11, 12, 14, 15, and 17) |

* Not illustrated.

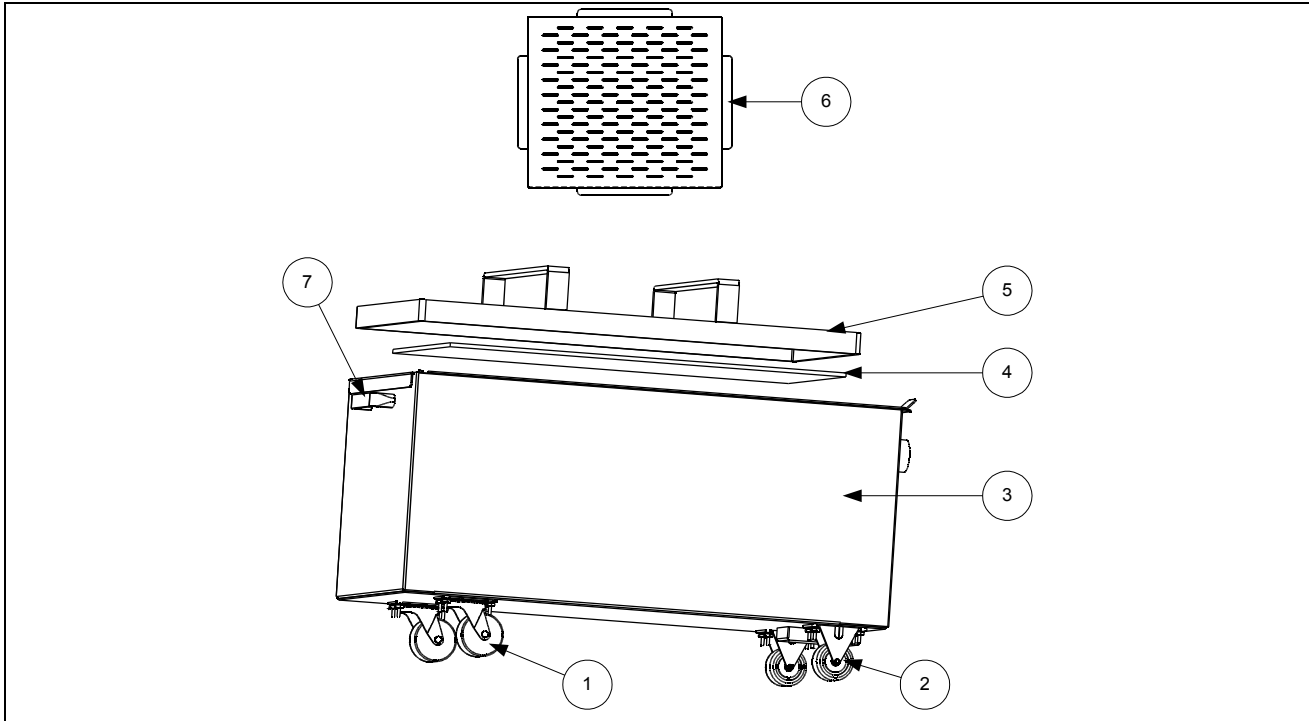
2.9.3 Filter Pan Assemblies, Filter Magic II (Before 2/99)



| ITEM | PART # | COMPONENT |
|------|-------------------|---|
| | 806-7411SP | Outer Pan Assembly (Includes Items 1-22) |
| 1 | 823-1360SP | Outer Pan |
| 2 | 823-2332 | Base, Filter Pan Assembly |
| 3 | 806-9471 | Channel, Caster Mounting |
| 4 | 900-2805 | Channel, Caster Lift Base |
| 5 | 810-0006 | Caster, Swivel |
| 6 | 810-0005 | Caster, Rigid |
| 7 | 826-1376 | Nut, 10-32 Hex Keps (Pkg. of 10) |
| 8 | 824-0291 | Cover, Suction Tube |
| 9 | 810-0695 | Contact, Pan |
| 10 | 807-1270 | Washer, Insulated Shoulder |
| 11 | 809-0053 | Nut, 10-32 Hex |
| 12 | 809-0184 | Washer, #10 Lock |
| 13 | 826-1337 | Tab, Terminal (Pkg. of 5) |
| 14 | 809-0185 | Washer, #10 Flat |
| 15 | 807-1367 | Washer, Non-Conductive Flat |
| 16 | 809-0020 | Nut, 10-24 Cap |
| 17 | 809-0189 | Washer, ¼-inch Flat |
| 18 | 826-1362 | Nut, ¼-20 Hex (Pkg. of 10) |
| 19 | 826-1374 | Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25) |
| 20 | 813-0411 | Plug, ⅛-inch Hex Head Pipe |
| * | 806-4373 | Heater Strip Assembly, 24V 25W |
| * | 811-0861 | Insulation, Foam (Heater Strip) |
| * | 811-0746 | Tape, Aluminum (50-yard Roll) |
| * | 810-0441 | Clamp, Heater (Aluminum) |
| 21 | 910-1350 | Clamp, Suction Tube |
| 22 | 826-1371 | Screw, #8 X ½-inch Hex Head Drill Point (Pkg. of 25) |
| | 806-5282SP | Inner Pan Assembly (Includes Items 23-31) |
| 23 | 823-1731SP | Inner Pan |
| 24 | 810-0180 | Handle, Filter Pan |
| 25 | 809-0024 | Screw, 10-24 X ⅝-inch Slotted Round Head |
| 26 | 900-8827 | Screen, Filter (SanaGrid) |
| 27 | 810-1406 | Ring, Hold Down |
| 28 | 910-1366 | Handle, Filter Pan |
| 29 | 809-0117 | Screw, 10-32 X ⅝-inch Slotted Truss Head |
| 30 | 809-0045 | Nut, 10-32 Hex Cap |
| 31 | 816-0117 | O-Ring |
| 32 | 824-0416 | Screen, Crumb |
| 33 | 823-1390 | Cover, Filter Pan |
| | 806-4694SP | Contact Block Assembly (Includes Items 11 and 34-41) |
| 34 | 810-0694 | Block, Contact |
| 35 | 810-0693 | Pin, Contact |
| 36 | 810-0696 | Spring, Contact Pin |
| 37 | 809-0185 | Washer, #10 Flat |
| 38 | 816-0126 | Insulator, Contact Block |
| 39 | 900-1521 | Bracket, Contact Block |
| 40 | 809-0291 | Screw, ¼-20 X 1.5-inch |
| 41 | 826-1372 | Nut, ¼-20 Hex Grip (Pkg. of 10) |

* Not Illustrated.

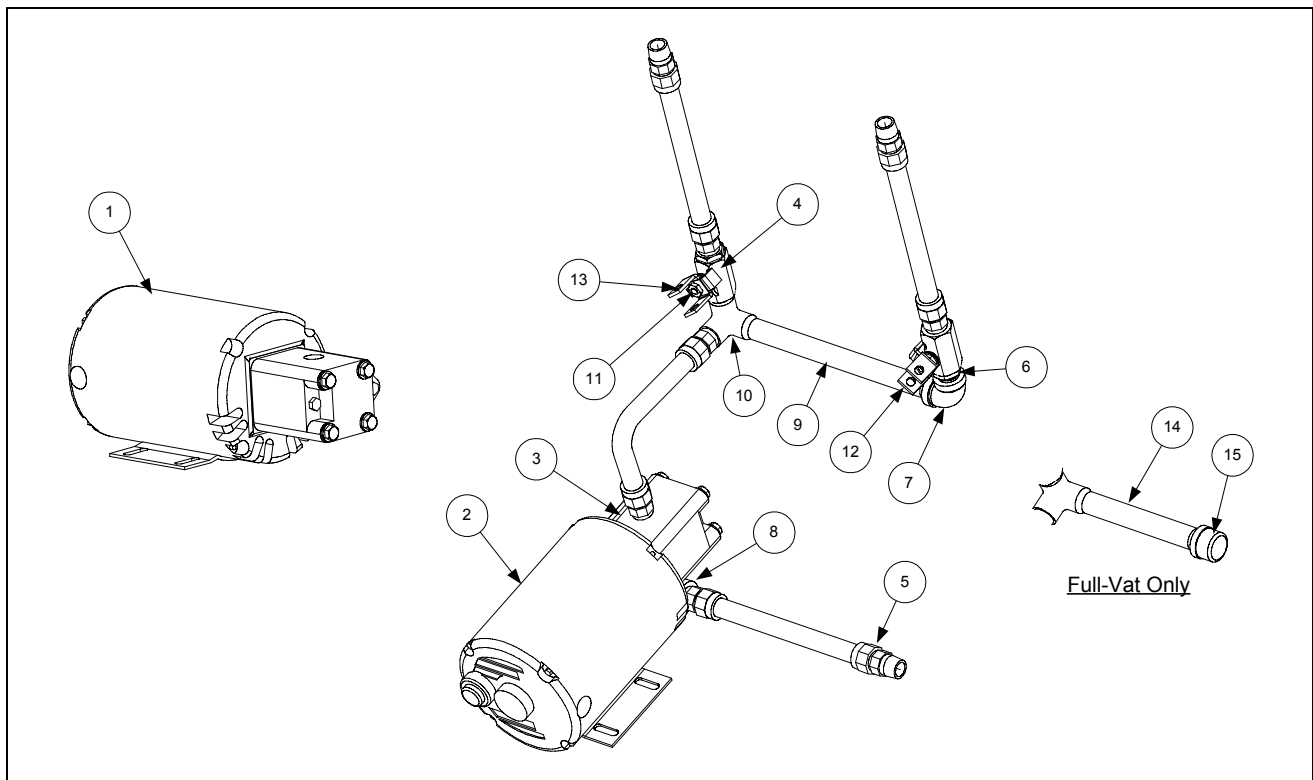
2.9.4 Filter Pan Assembly, Filter Magic II One-Piece



| ITEM | PART # | COMPONENT |
|------|------------|---|
| | | Complete Pan Assemblies |
| | 106-0361SP | After July 2000 |
| | 806-9449SP | Between March 1999 and July 2000 |
| | 106-0090SP | Carl's Jr. w/Magnasol Filter |
| 1 | 810-0006 | Caster, Swivel |
| 2 | 810-0005 | Caster, Rigid |
| 3 | | Pan, Filter |
| | 823-2828SP | Used with Filter Pan Assembly 106-0361SP |
| | 823-2751SP | Used with Filter Pan Assembly 806-9449SP |
| | 823-2951SP | Used with Filter Pan Assembly 106-0090SP |
| 4 | | Screen, Filter (SanaGrid) |
| | 900-8933 | Used with Filter Pan Assembly 106-0361SP |
| | 900-8827 | Used with Filter Pan Assembly 806-9449SP |
| 5 | | Ring, Hold Down |
| | 823-2899 | Used with Filter Pan Assembly 106-0361SP |
| | 810-1406 | Used with Filter Pan Assembly 806-9449SP |
| 6 | 824-0416 | Screen, Crumb |
| 7 | 810-0180 | Handle, Filter Pan |
| * | 826-1360 | Screw, 10-24 X $\frac{5}{16}$ -inch Slot Head |

* Not illustrated.

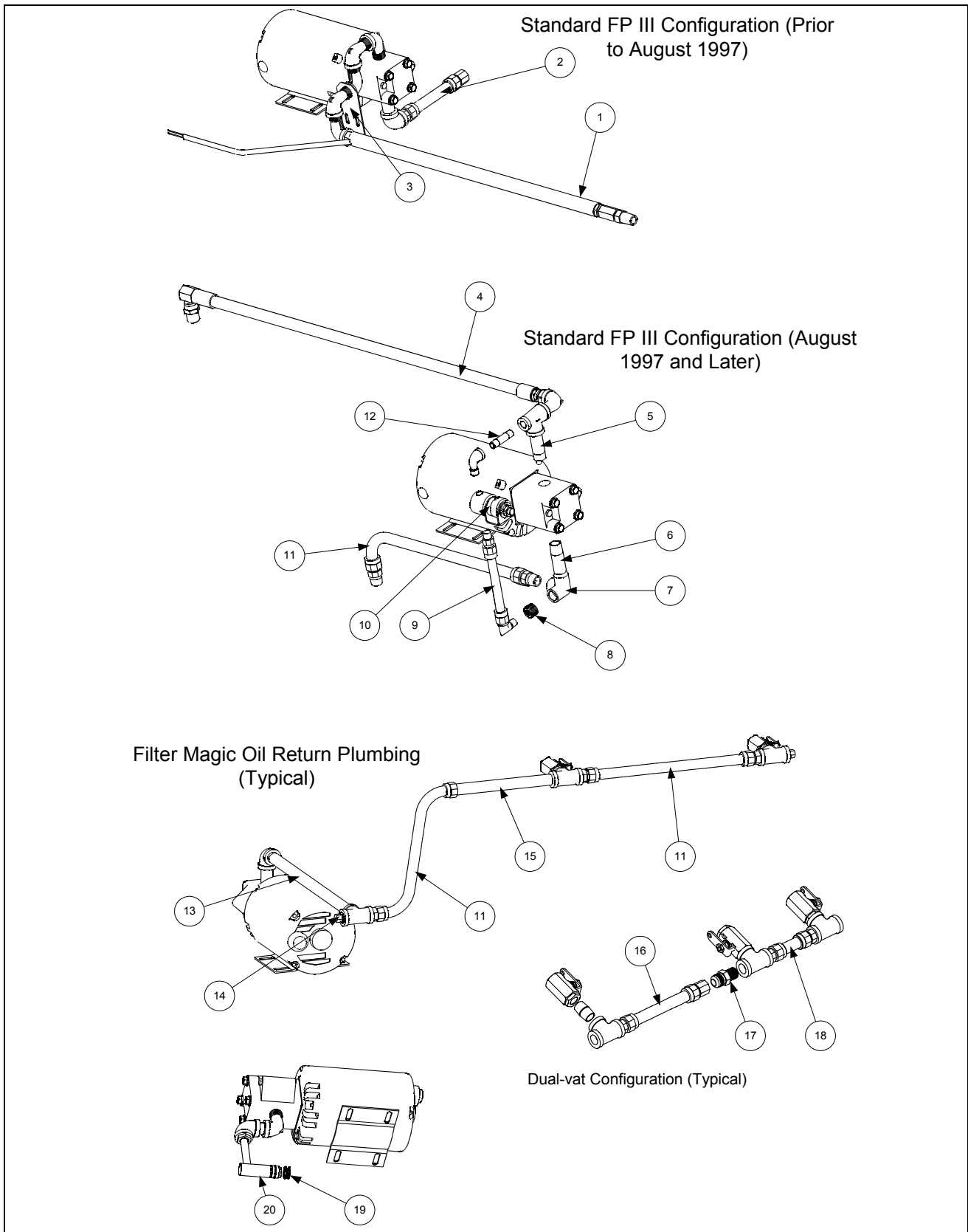
2.10 Filter Pump and Motor Assemblies and Associated Hardware.



| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | | Pump and Motor Assembly (Illustration Purposes Only) |
| 2 | 826-1270 | Motor and Gasket Kit, 230V-250V 50/60 Hz |
| * | 826-1756 | Motor and Gasket Kit, 208V 50/60 Hz |
| * | 826-1712 | Motor and Gasket Kit, 100V-115V 60 Hz |
| 3 | 826-1264 | Kit—Pump and Gasket |
| * | 807-1995 | Pump, Viking 4 GPM |
| * | 809-0514 | Cap Screw, 5/16-18 Hex Head |
| * | 809-0194 | Washer, Flat 5/16-inch |
| * | 816-0093 | Gasket, Pump/Motor |
| 4 | 810-0278 | Gemini Valve w/o Handle |
| 5 | 810-1067 | Flex Line, Oil Return, 11-inch |
| 6 | 813-0022 | Nipple, ½-inch x Close (Dual-vat Configuration) |
| 7 | 813-0062 | Elbow, ½-inch 90° (Dual-vat Configuration) |
| 8 | 813-0165 | Elbow, ½ x ½-inch 90° Street |
| 9 | 813-0253 | Nipple, ½ x 10-inch (Dual-vat Configuration) |
| 10 | 813-0331 | Elbow, ½-inch, With Side Outlet |
| 11 | 900-2935 | Nut, Retainer; Oil Return Valve |
| 12 | 901-2772 | Handle, Valve, Rear Flush Left (Dual-vat Configuration) |
| 13 | 902-2772 | Handle, Valve, Rear Flush Right |
| 14 | 813-0098 | Nipple, ½ x 6.5-inch |
| 15 | 813-0469 | Cap, Pipe ½-inch |

* Not illustrated.

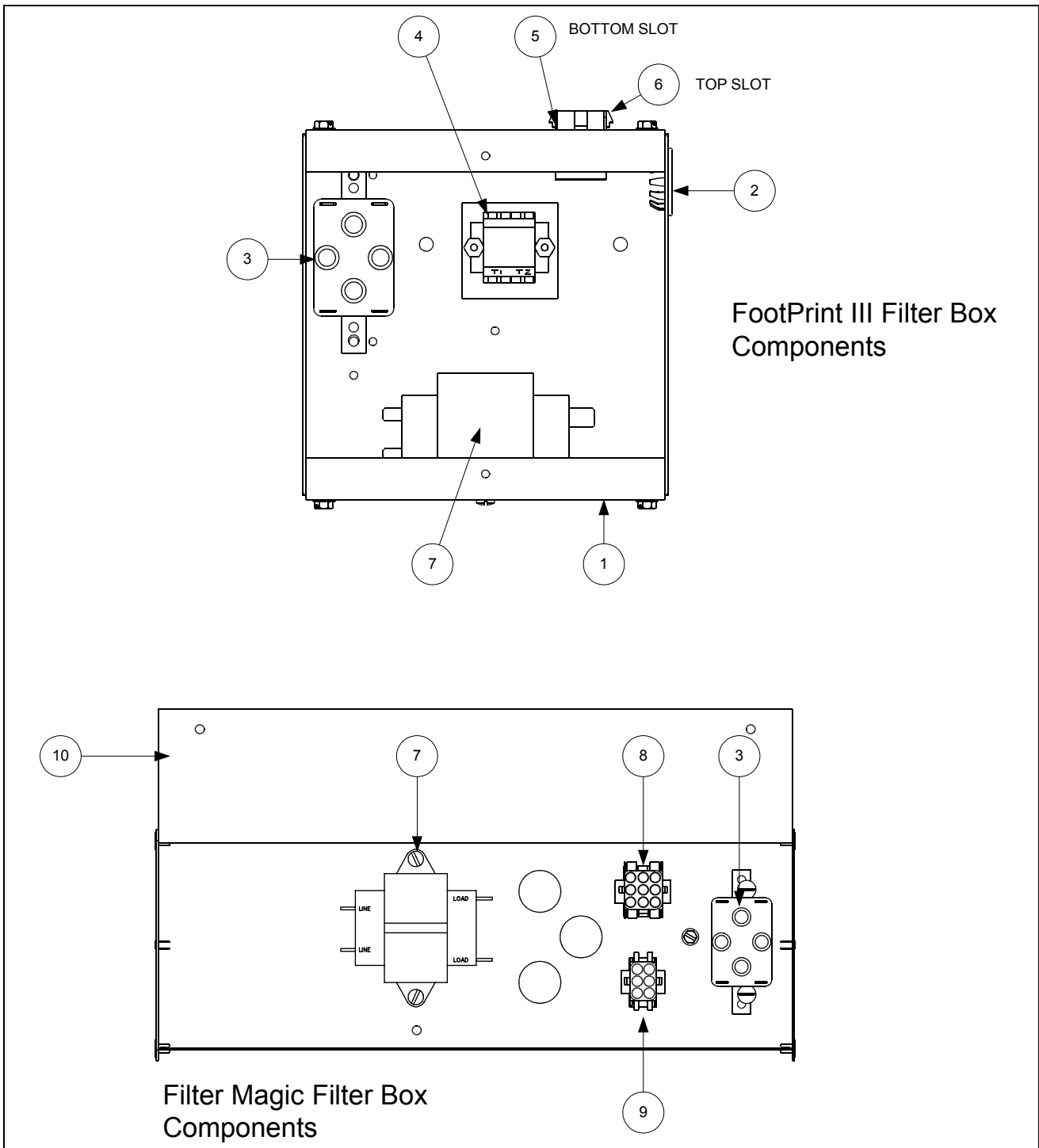
2.10 Filter Pump and Motor Assemblies and Associated Hardware (cont.)



| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | | Hose, Heated Oil Return |
| | 810-0945 | 120VAC |
| | 810-1037 | 208-250VAC |
| 2 | 810-1159 | Flexline, 7½-inch (19cm) Oil Return |
| 3 | 900-1958 | Support, Oil Return |
| 4 | 810-1404 | Flexline, Oil Return (pump to rear manifold) |
| 5 | 813-0265 | Nipple, ½-inch x 2 ½-inch |
| 6 | 813-0460 | Nipple, ½-inch x 3-inch |
| 7 | 813-0331 | Elbow, ½-inch 3-way |
| 8 | 813-0304 | Bushing, ½-inch to ¼-inch Reducer |
| 9 | 810-1373 | Flexline, Pump Bypass |
| 10 | 807-2484 | Valve, Solenoid Vent |
| 11 | 810-1057 | Flexline, 15½-inch (39.4 cm) Oil Return |
| 12 | 813-0537 | Nipple, ¼-inch x 2-inch |
| 13 | 813-0368 | Nipple, ½-inch x 16-inch |
| 14 | 813-0156 | Pipe Plug, ½-inch |
| 15 | 813-0275 | Nipple, ½-inch x 9-inch |
| 16 | 810-1488 | Flexline, 7-inch (17.8 cm) Oil Return |
| 17 | 810-1668 | Adapter, ½-inch, Female to Female (Used with Item #11, #16 and #18) |
| 18 | 810-1160 | Flexline, 5½-inch (14 cm) Oil Return |
| 19 | 826-1392 | O-Ring (2 required) (Pkg. of 5) |
| 20 | 823-1356 | Disconnect Fitting |
| * | 816-0102 | Grommet, Disconnect Fitting |
| * | 900-1472 | Diverter, Oil |
| * | 910-1627 | Bracket, Disconnect Fitting Support |
| * | 826-1668 | Kit, 100V-120V Heater Tape Replacement |
| * | 826-1669 | Kit, 108V-250V Heater Tape Replacement |
| * | 811-0746 | Aluminum Tape |
| * | 811-0861 | Foam Tape |
| * | 811-0208 | Spaghetti Insulation |

* Not illustrated.

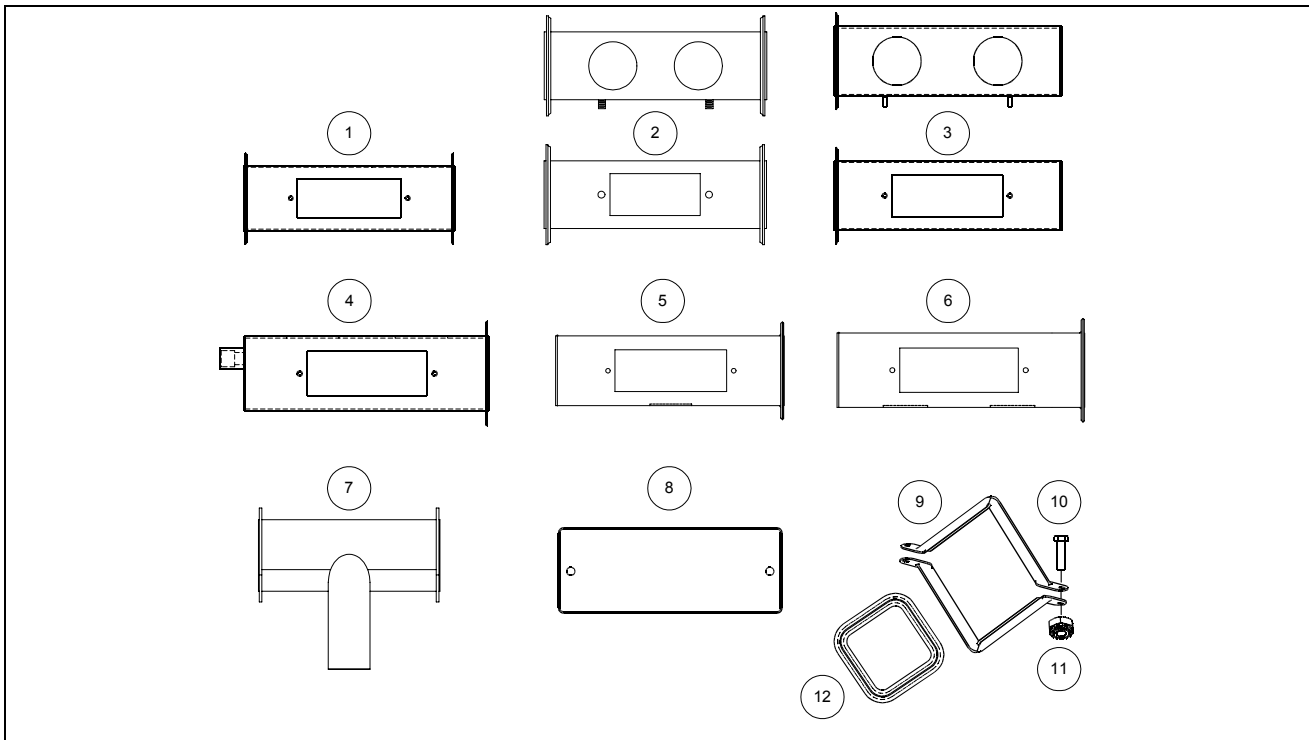
2.10.1 Filter Pump Boxes and Components



| ITEM | PART # | COMPONENT |
|------|------------|--|
| 1 | 900-5250 | Box, Filter FP III |
| 2 | 810-0044 | Plug Button .875, #SS48155 K1110 |
| 3 | | Relay |
| | 807-2434 | 18A 1/3 HP 24V Coil (before 09/2000) |
| | 807-0012 | 18A 1/3 HP 24V Coil (after 08/2000) |
| 4 | 810-1164 | Terminal Block, 1 PLC Screwless |
| * | 810-1168 | Terminal, Block Screwless End (230V, 50 Hz Filter Magic) |
| * | 807-0276 | Block, UL Male 12 Pin Terminal |
| * | 816-0217 | Paper, Insulating Terminal Block CE |
| 5 | 806-7494 | Plug Assembly, FPIII Non-Reversing |
| 6 | 806-8021 | Plug Assembly, Filter Box |
| 7 | | Transformer |
| | 807-0800 | 120V/24VAC, 50/60 Hz, 50VA |
| | 807-0680 | 208/240/24VAC, 50/60 Hz, 43VA |
| | 807-1238 | 105V/24VAC, 50/60 Hz, 50VA |
| | 807-2176 | 100/120VAC – 12/24V |
| | 807-1999 | 208/250VAC – 12/24V |
| 8 | 806-6203 | Wiring Assembly, Filter Magic, 9-Pin |
| 9 | 806-6204 | Wiring Assembly, 6-Pin |
| 10 | 900-2250 | Box, Control, Filter Magic |
| * | 900-2251 | Box, Control, Filter Magic, Under Cabinet |
| * | 200-0410 | Box, Control, Filter Magic Common Electric |
| * | 200-0409 | Box, Control, Filter Magic, Common Electric, Under Cabinet |
| * | | Heater Tape Assemblies, FootPrint and Filter Magic |
| | 806-9245SP | 120V 25W, 36-inch |
| | 806-5932SP | 240V 45W, 36-inch |
| | 806-5933SP | 120V 25W, 18-inch |
| | 806-5934SP | 240V 25W, 18-inch |
| * | | Heater Tape Assemblies, FootPrint 56-inch |
| | 806-6730SP | 100V 40W |
| | 806-6731SP | 120V 40W |
| | 806-6732SP | 240V 70W |
| | 806-6733SP | 250V 70W |
| * | | Harness and Wire Assemblies |
| | 807-2862 | FootPrint III Filter Cable (2-pin, 9-pin, and 15-pin connectors) |
| | WIR0146SP | 230V/50Hz Filter Box |
| | WIR0010SP | 120V Standard Filter Control |
| | WIR0250SP | Filter Control Box |
| | WIR0394SP | CE Filter Box |

* Not illustrated.

2.11 Drain System Components

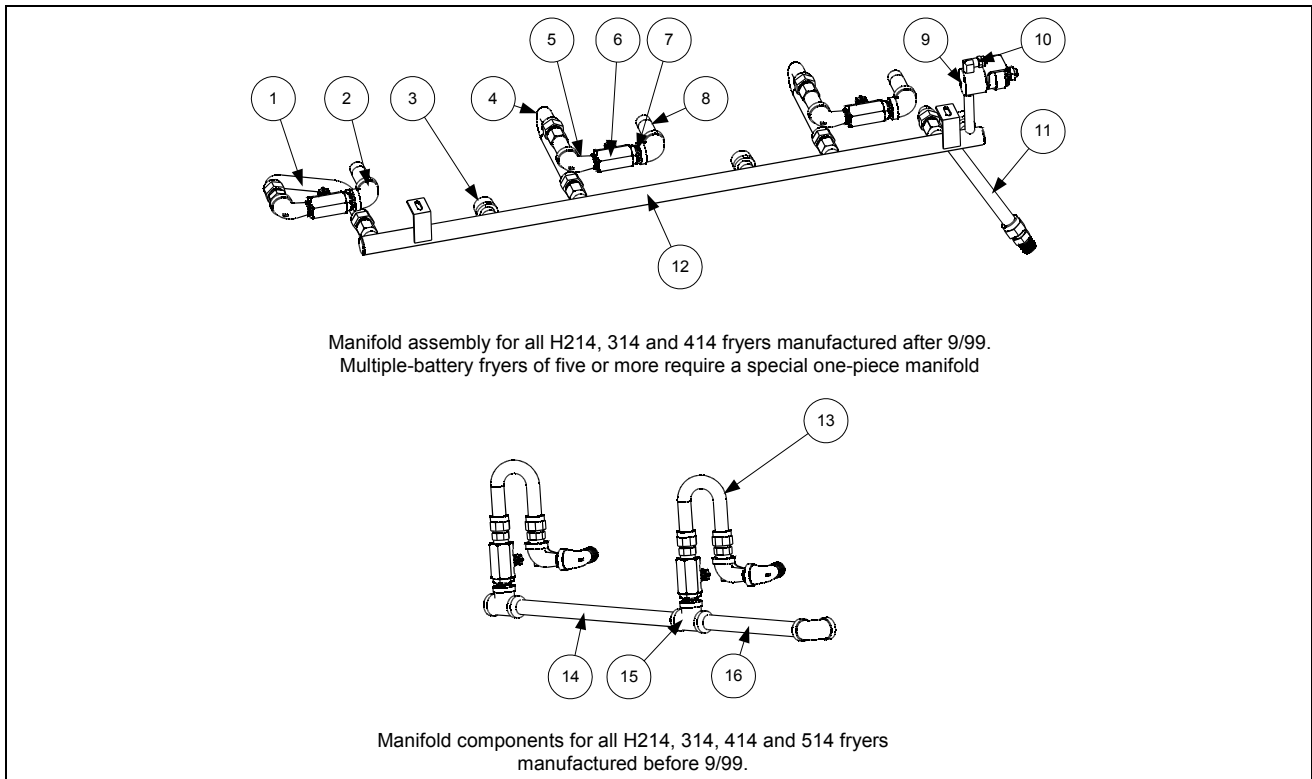


| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | 823-0718 | Drain Tube, Left End, 2.5 x 8.0-inch |
| 2 | 823-0725 | Drain Tube, Left End, Dual-vat, 2.5 x 8.0-inch |
| 3 | 823-1551 | Drain Tube, Right End, Dual-vat |
| 4 | 823-2636 | Drain Tube, Left End, Dual-vat |
| * | 823-2637 | Drain Tube, Left End, Full-vat |
| 5 | 823-1549 | Drain Tube, Right End, Full-vat |
| 6 | 823-1543 | Drain Tube, Right End, Dual-vat |
| * | 823-1508 | Drain Tube, Right End, Full Vat 15.5-inch |
| * | 823-0724 | Drain Tube, Dual-vat FM 15.5-inch |
| * | 823-0717 | Drain Tube, FM Standard Cabinet 15.5-inch |
| * | 823-0720 | Elbow, Drain-EF Right FM |
| * | 823-0721 | Elbow, Drain-EF Left FM |
| 7 | 823-2336 | Drain, FootPrint |
| 8 | 826-1348 | Cover, Drain Cleanout (Pkg. of 5) |
| * | 816-0021 | Gasket, Drain Cover |
| * | 826-1382 | Wingnut, Drain Cover (Pkg. of 10) |
| * | 816-0092 | Grommet, 1" Drain |
| * | 826-1345 | Washer, Drain Nut (Pkg. of 25) |
| * | 809-0347 | Drain Nut |
| 9 | 810-0396 | Clamp, 2.5-inch Drain, Filter Magic (Two Required Per Union) |
| 10 | 826-1375 | Screw, 10-32 x 3/4 Hex Trim HD SS (Pkg. of 5) |
| 11 | 826-1376 | Nut, 10-32 Hex (Pkg. of 10) |
| 12 | 816-0032 | Gasket, Square Drain |

* Not illustrated.

2.12 Filtration System Components

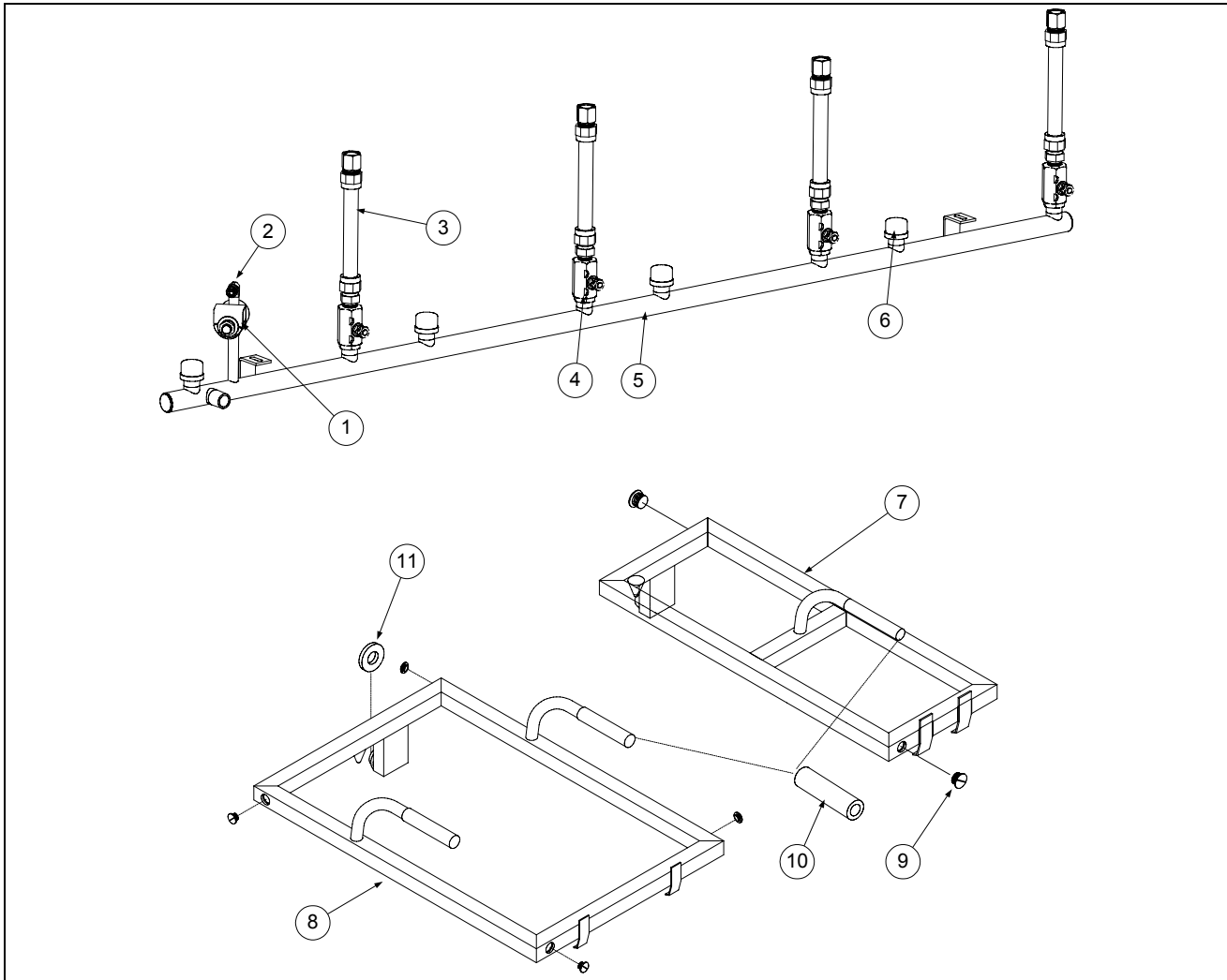
2.12.1 Oil Return Plumbing Assemblies and Components



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 106-0002SP | Flex Line Assembly, With Male/Female Ends |
| 2 | 813-0062 | Elbow, 1/2-inch 90° |
| 3 | 813-0469 | Cap, Pipe 1/2-inch |
| 4 | 106-0054SP | Flex Line Assembly, With Female Ends |
| 5 | 813-0165 | Elbow, Street, 1/2 x 1/2-inch 90° |
| 6 | 810-0278 | Gemini Valve, Without Handle |
| 7 | 813-0022 | Nipple, 1/2-inch Close NPT |
| 8 | 813-0265 | Nipple, 1/2 x 2.5-inch NPT |
| 9 | 807-2484 | Vent Valve, Solenoid 1/4-inch NPT |
| * | 826-1720 | Vent Tube, Teflon 3/8-inch OD. X 2-foot |
| 10 | 810-1372 | Fitting, 90°, 1/4-inch NPT: 3/8 Tube (includes ferrule and end nut) |
| 11 | 806-9439SP | Flex Line Assembly, 14-inch with Male/Female Ends |
| 12 | 810-1517 | Manifold, Oil Return, RF H314/17/22 |
| * | 810-1516 | Manifold, Oil Return, RF H214/17/22 |
| * | 810-1518 | Manifold, Oil Return, RF H414/17/22 |
| 13 | 810-1067 | Flex Line, Oil Return, 11-inch |
| 14 | 813-0509 | Nipple, 1/2 x 14.5-inch NPT |
| 15 | 813-0003 | Tee, 1/2 x 1/2 x 1/2-inch |
| 16 | 813-0275 | Nipple, 1/2 x 9-inch NPT |
| * | 813-0093 | Nipple, 1/2 x 4-inch NPT |

* Not illustrated.

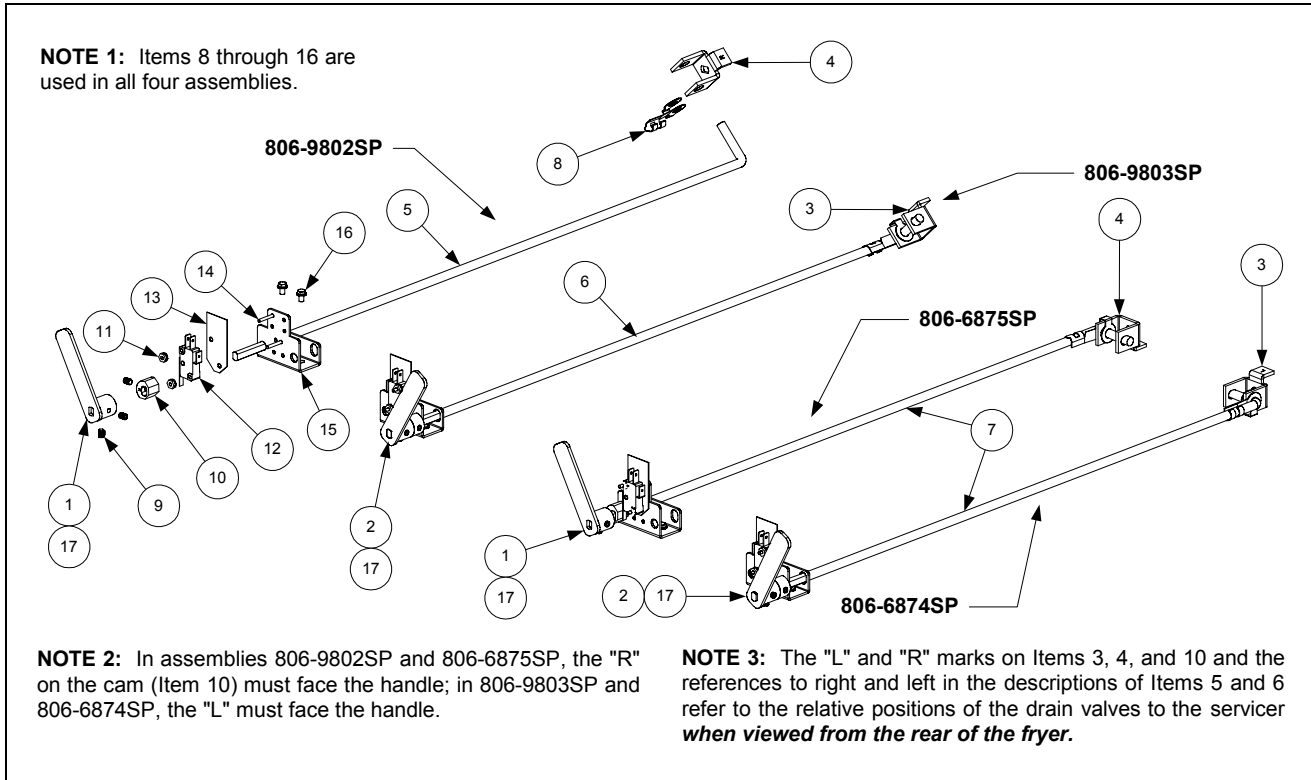
2.12.2 Power Shower and P.S. Oil Return Manifold Assemblies



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 807-2484 | Vent Valve, Solenoid ¼ NPT |
| 2 | 810-1372 | Fitting, 90 Degree ¼ NPT X ⅜-inch Tube (includes ferrule and end nut) |
| * | 826-1720 | Vent Tube, Teflon 3/8-inch O.D. X 2-foot |
| 3 | 806-9828 | Flexline, with Male/Female Ends |
| 4 | 810-0278 | Valve, Gemini without Handle |
| 5 | 810-1507 | Manifold, H414/17 PS Oil Return |
| * | 810-1505 | Manifold, H214/17 PS Oil Return |
| * | 810-1506 | Manifold, H314/17 PS Oil Return |
| 6 | 813-0469 | Cap, Pipe ½-inch |
| 7 | 806-4527SP | Power Shower Assembly, Dual Vat, Complete |
| 8 | 806-4505SP | Power Shower Assembly, Full Vat, Complete |
| 9 | 809-0415 | Screw, Cleanout |
| 10 | 814-0001 | Grip, Handle |
| 11 | 816-0026 | Seal (Gasket) (2 required) |

* Not illustrated.

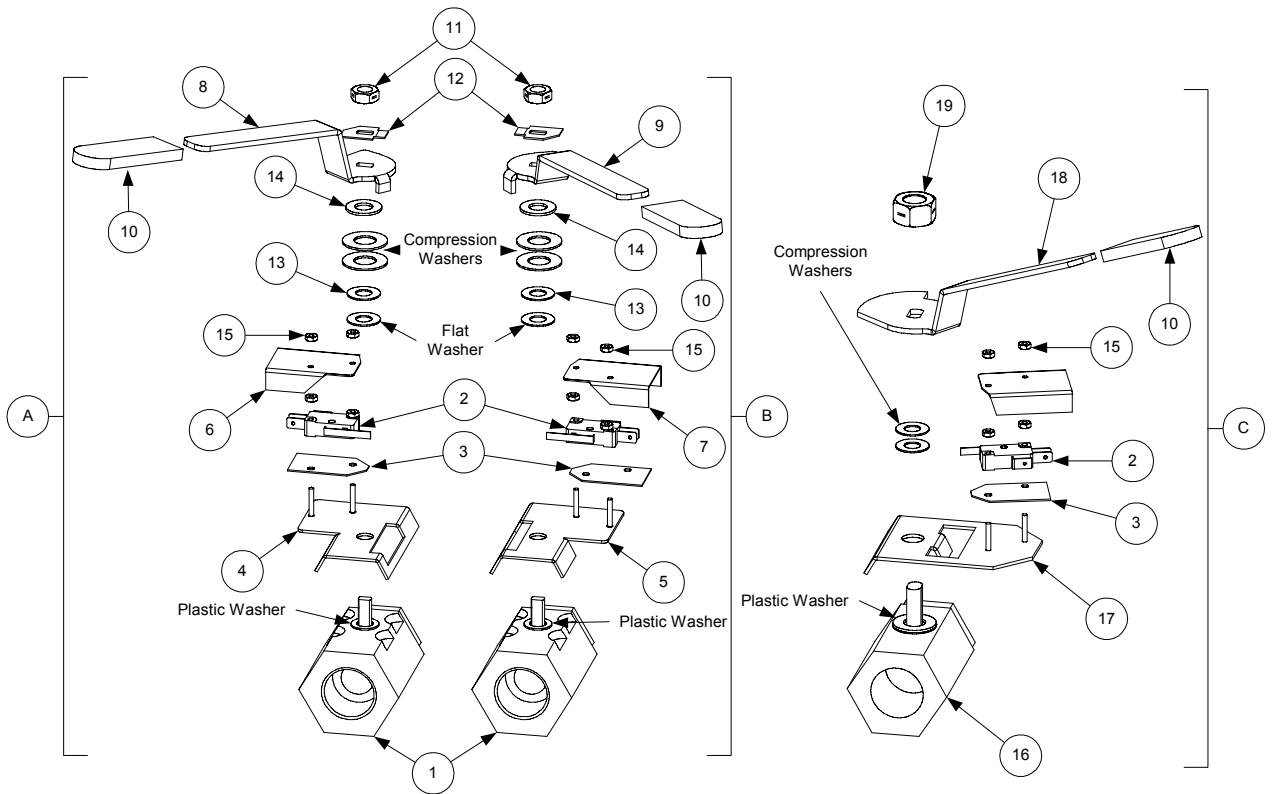
2.12.3 Rear Flush Oil Return Linkage Assemblies and Components



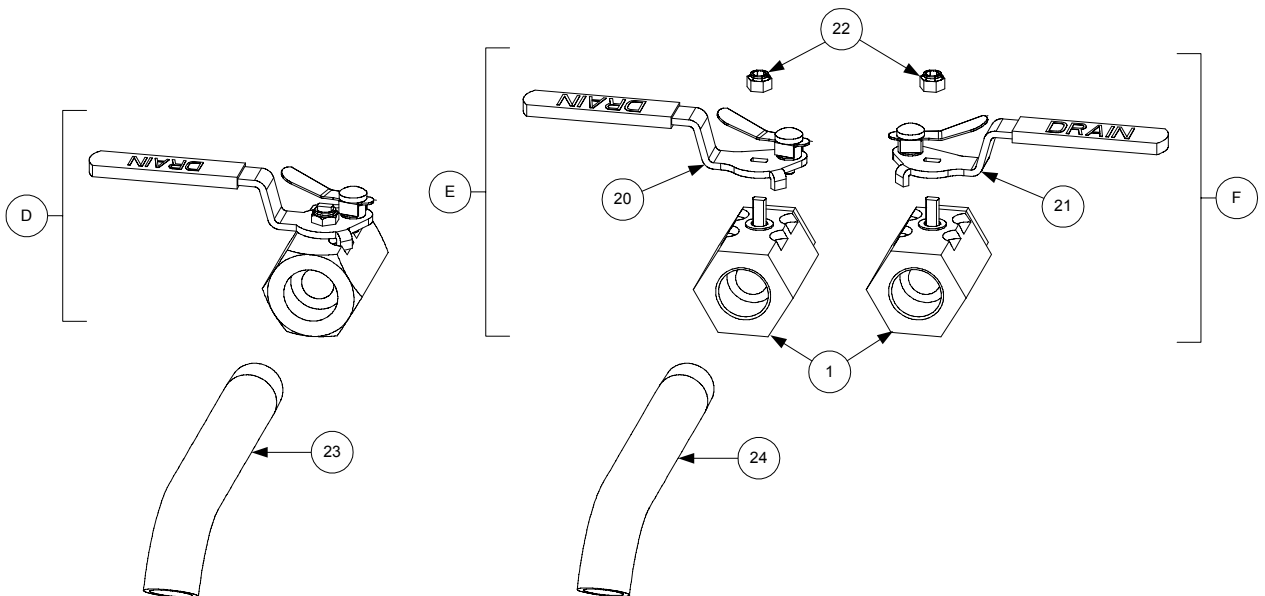
| ITEM | PART # | COMPONENT |
|------|------------|--|
| | 806-9802SP | FootPrint III Dual Vat Left Oil Return Linkage Assembly |
| | 806-9803SP | FootPrint III Dual Vat Right or Full Vat Oil Return Linkage Assembly |
| | 806-6875SP | Filter Magic Dual Vat Left Oil Return Linkage Assembly |
| | 806-6874SP | Filter Magic Dual Vat Right or Full Vat Oil Return Linkage Assembly |
| 1 | 823-2337 | Handle, Oil Return, Left |
| 2 | 823-2338 | Handle, Oil Return, Right |
| 3 | 901-2772 | Handle, Rear Flush Valve, Left |
| 4 | 902-2772 | Handle, Rear Flush Valve, Right |
| 5 | 810-1764 | Rod, FootPrint III Oil Return, Right |
| 6 | 810-1765 | Rod, FootPrint III Oil Return, Left |
| 7 | 810-1180 | Shaft, Filter Magic Oil Return |
| 8 | 809-0601 | Clip, $\frac{5}{16}$ -inch Clevis |
| 9 | 826-1377 | Screw, Set 10-32 x $\frac{1}{4}$ (Pkg. of 25) |
| 10 | 810-1186 | Cam, Microswitch |
| 11 | 826-1366 | Nut, 4-40 Hex with External Tooth (Pkg. of 25) |
| 12 | 807-2103 | Microswitch |
| 13 | 816-0220 | Insulation, Microswitch/Bracket |
| 14 | 826-1359 | Screw, 4-40 x $\frac{3}{4}$ -inch Round Head (Pkg. of 25) |
| 15 | 900-2571 | Bracket, Microswitch |
| 16 | 809-0359 | Screw, #8 x $\frac{1}{4}$ -inch Slotted Hex Washer Head |
| 17 | 816-0047 | Sleeve, Red Plastic Valve Handle |

2.13 Frypots and Drain Valve Assemblies

Drain Valve Assemblies for Units with Built-in Filtration



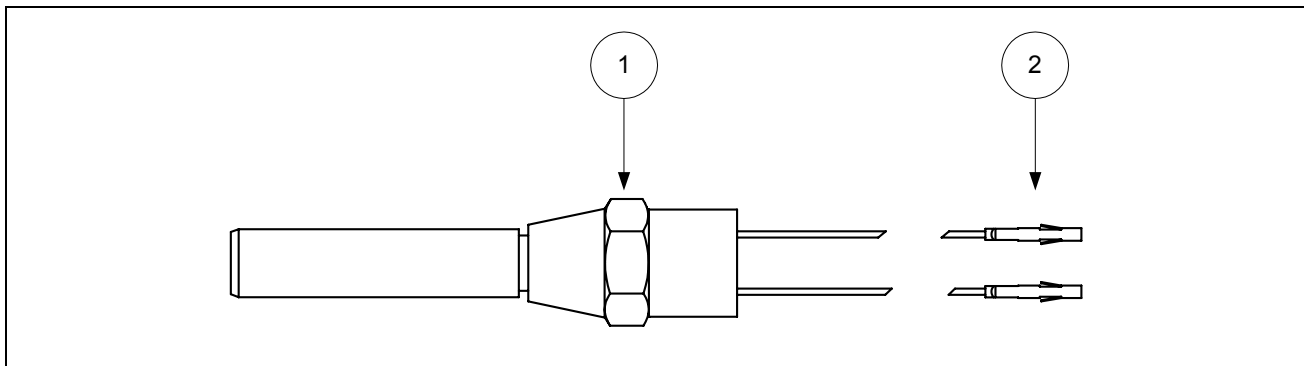
Drain Valve Assemblies for Units without Built-in Filtration



| ITEM | PART # | COMPONENT |
|------|------------|---|
| * | | Frypot Assemblies |
| | 823-2450SP | Full-Vat Non-Filter without Insulation |
| | 823-2451SP | Full-Vat Filter without Insulation |
| | 823-2458SP | Dual-Vat Non-Filter without Insulation |
| | 823-2459SP | Dual-Vat Filter without Insulation |
| | 823-0815SP | Dual-Vat Filter without Insulation (for use in single fryers) |
| | 806-8167SP | Full-Vat Non-Filter with Insulation (for use on Triac units) |
| | 806-8168SP | Full-Vat Filter with Insulation (for use on Triac units) |
| | 806-8170SP | Dual-Vat Non-Filter with Insulation (for use on Triac units) |
| | 806-8171SP | Dual-Vat Filter with Insulation (for use on Triac units) |
| | 806-4951SP | Dual-Vat Filter with Insulation (for use in single Triac units) |
| A | 806-7433SP | Valve Assembly, Dual-Vat Left Drain |
| B | 806-7432SP | Valve Assembly, Dual-Vat Right Drain |
| C | 806-7434SP | Valve Assembly, Full-Vat |
| D | 810-1569 | Valve Assembly, Full-Vat Non-Filter Drain |
| E | 806-7915SP | Valve Assembly, Dual-Vat Non-Filter Left Drain |
| F | 806-7916SP | Valve Assembly, Dual-Vat Non-Filter Right Drain |
| 1 | 810-1338 | Valve, 1-inch Drain |
| 2 | 807-2103 | Switch, Drain Safety |
| 3 | 816-0220 | Insulation, Drain Safety Switch |
| 4 | 106-2671 | Bracket Assembly, Dual-Vat Left Drain Safety Switch |
| 5 | 106-2672 | Bracket Assembly, Dual-Vat Right Drain Safety Switch |
| 6 | 901-2348 | Cover, Dual-Vat Left Drain Safety Switch |
| 7 | 902-2348 | Cover, Dual-Vat Right Drain Safety Switch |
| 8 | 201-3916 | Handle, Dual-Vat Left Drain Valve |
| 9 | 200-4304 | Handle, Dual-Vat Right Drain Valve |
| 10 | 814-0047 | Sleeve, Red Valve Handle |
| 11 | 809-0539 | Nut, 3/8-16 2-Way Lock |
| 12 | 900-2934 | Retainer, Dual-Vat Drain Valve Nut |
| 13 | 809-0196 | Washer, 3/8-inch Flat |
| 14 | 810-1165 | Washer, Teflon Drain Valve |
| 15 | 826-1366 | Nut, 4-40 Keps Hex (Pkg. of 25) |
| 16 | 810-1020 | Valve, 1 1/4-inch Inlet X 1-inch Outlet |
| 17 | 806-8137 | Bracket Assembly, Full-Vat Drain Safety Switch |
| 18 | 900-2609 | Handle, Full-Vat Drain Valve |
| 19 | 809-0540 | Nut, 1/2-13 2-Way Lock Hex |
| 20 | 810-1568 | Handle, Dual-Vat Left Drain Valve w/Lock Pin |
| 21 | 810-1567 | Handle, Dual-Vat Right Drain Valve w/Lock Pin |
| 22 | 809-0589 | Nut, 1/2-13 2-Way Lock Hex |
| 23 | 812-1226SP | Extension, Full-Vat Drain Valve (1 1/4-inch) |
| 24 | 812-1227 | Extension, Dual-Vat Drain Valve (1-inch) |

* Not illustrated.

2.14 High-Limit Thermostat and Related Components



| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | | High-Limit Thermostat |
| | 806-7543 | Non-CE Full-vat (Color-Coded Black) |
| | 806-8035 | Non-CE Dual-vat (Color-Coded Red) |
| | 806-8132 | CE other than 22kW (Color-Coded Yellow) |
| | 806-8536 | CE 22kW |
| 2 | 826-1332 | Terminal, Female Disconnect Pin (Pkg. of 25) |

* Not illustrated.

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