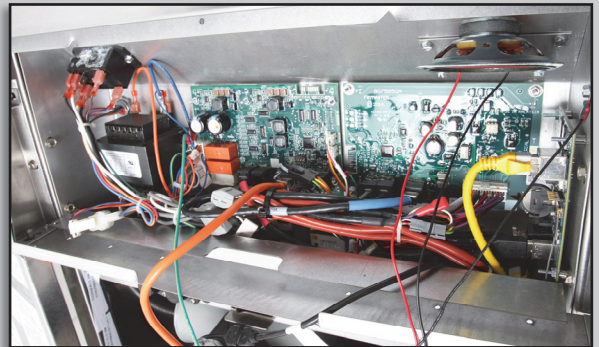
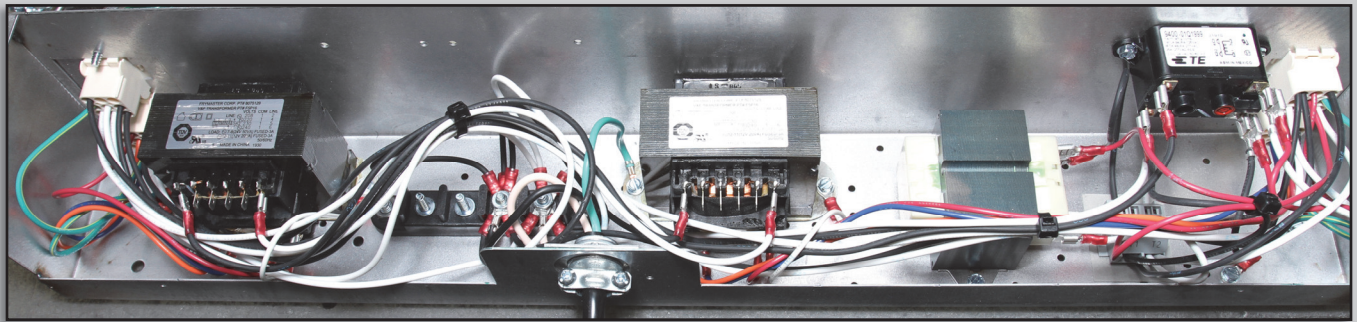




NOTE: A FilterQuick Touch section has been added. Parts common to several models on that platform are listed by category, say, boards, and under boards, by models. For example, a Valve Interface Board and all the models it is common to is found in the board section.

Major Components Manual

- | | | |
|---------------------|-----------------|---------------------|
| • H50/55 | • MASTER JET | • UHC-HD |
| • LOV | • DECATHLON | • HLZ |
| • FILTERQUICK | • DEAN MILLVOLT | • PUMPS, FLEX LINES |
| • FILTERQUICK TOUCH | • ELECTRIC/RE | • SPECIAL TOOLS |
| • OCF | • PUMPS, MOTORS | |

24-Hour Service Hotline **1-800-551-8633**
or service@frymaster.com



Frymaster, a member of the Commercial Food Equipment Service Association, recommends using CFESA-certified technicians.

APR 21



NOTICE

IF, DURING THE WARRANTY PERIOD, THE CUSTOMER USES A PART FOR THIS FRYMASTER 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.

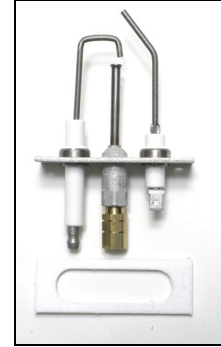
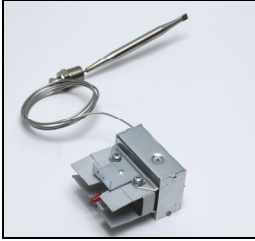
** DANGER**

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.

Major Components



Chapter	Content	Page
1	H50/52/55	1-1
2	LOV	2-1
3	FilterQuick	3-1
4	FilterQuick Touch Common Parts	4-1
5	FilterQuick Touch 30 Electric	5-1
6	FilterQuick Touch 30 Gas	6-1
7	FilterQuick Touch 60 Electric	7-1
8	FilterQuick Touch 60 Gas	8-1
9	FilterQuick Touch 80 Electric	9-1
10	McDonald's BIELA-T	10-1
11	McDonald's BIGLA-T	11-1
12	OCF	12-1
13	Open Burner/MJCF	13-1
14	Decathlon	14-1
15	Dean Millivolt	15-1
16	Pro-RE Series	16-1
17	UHC Cabinets	17-1
18	HLZ	18-1
19	Pumps, Common Parts, Flex Lines	19-1
20	Special Tools	20-1

H50/52/55



The H50/55 series fryer is a Frymaster flagship gas fryer.

Unique physical characteristic:

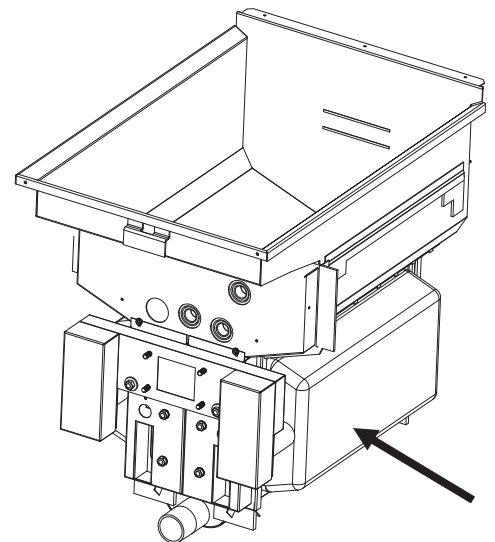
- Closed burner with blowers to enhance efficiency of combustion.

Where Used:

- McDonald's, Burger King, and other large fast-food restaurants.

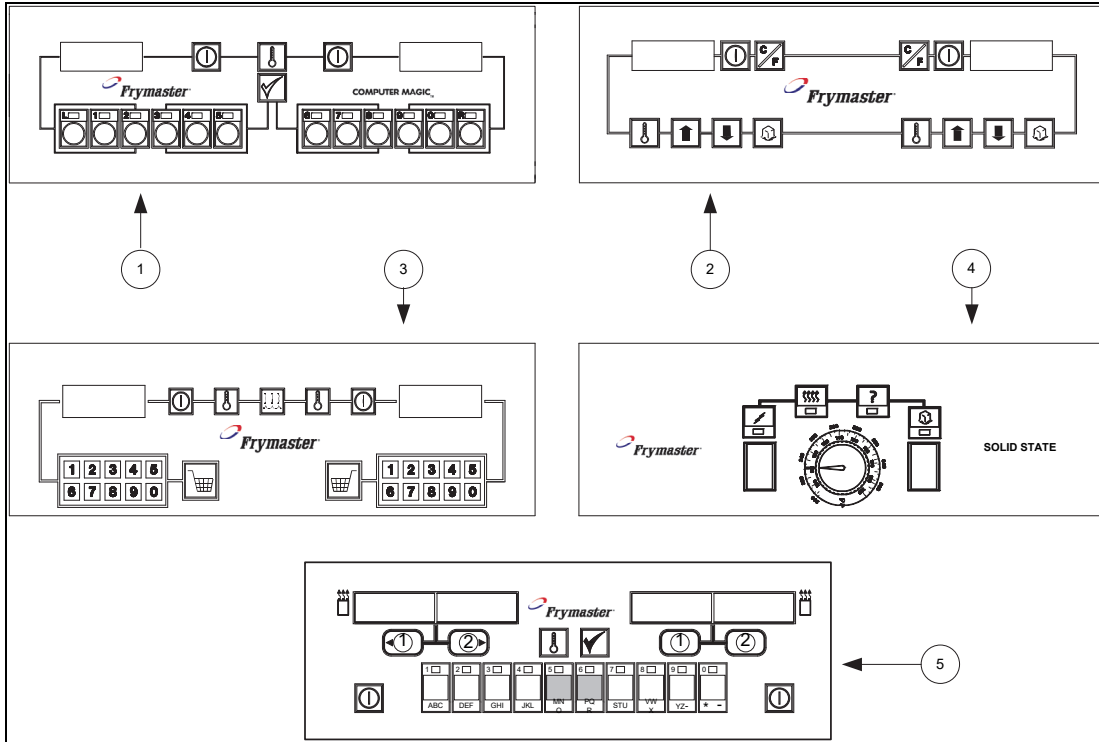
Common Model Numbers

- FPPH355



Burners are attached to either side of the frypot. See arrow.

H50/52/55



Controllers

#	**Standard Part #	**Euro-look Part #	Component
1		826-3107	3000 Controller
			Computer Magic III.5
	826-2287	826-2380	Dual-vat
	826-2286	826-2324	Full-vat
2			Digital Controller
	826-2312	106-3492	Dual-vat
	826-2311	826-2385	Full-vat
3			Basket Lift Timer
	826-2312	826-2385	Dual-vat
	826-2311	826-2385	Full-vat
4			Solid State (Analog) Controller (<i>controller knob is 810-0387</i>)
	806-3008	106-3375	Dual-vat
	106-6023	106-6022	Full-vat (<i>use 106-6027 for Foodmaker units</i>)
*	806-2071	806-2071	15-pin Wiring Harness, Computer-to-Interface Board
*	807-4199	807-4199	SMT Wiring Harness, Computer-to-Interface Board
*	826-2278	826-2278	Remote Computer, Burger King
*	807-4397	807-4397	Remote Computer Adapter
			McDonald's Computer
5	826-2346	826-2343	M2000 Full Vat Domestic
*	826-2609*		Hardware kit M100 to M2000 Conversion *without computer

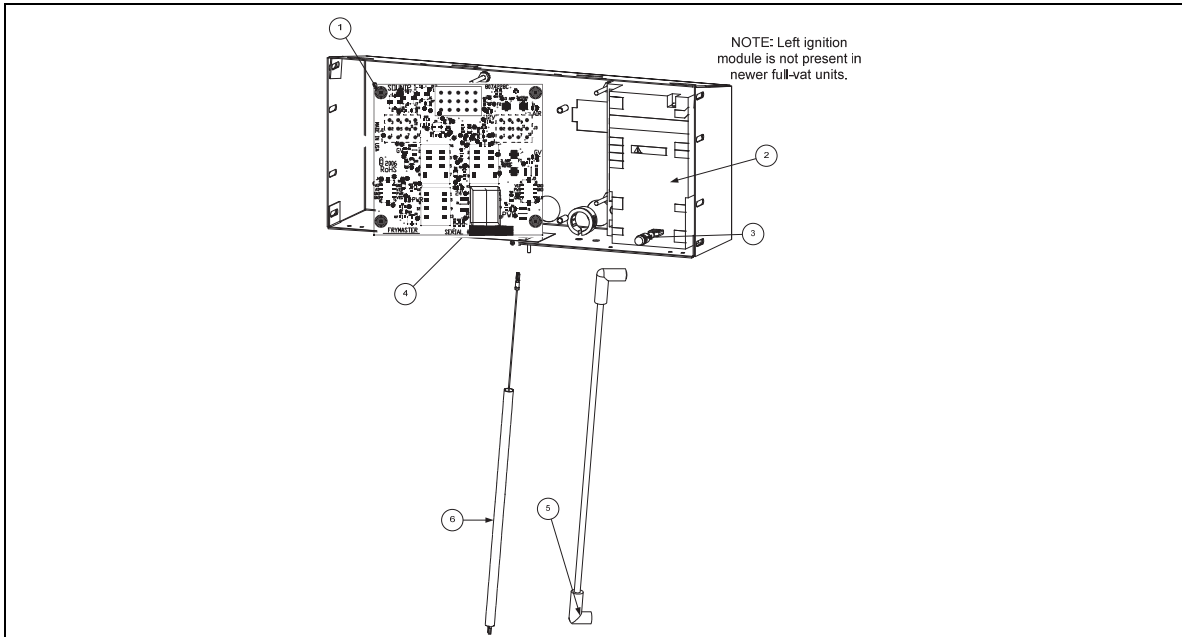
* Not illustrated.

** Pro H50/55-Series cabinets were manufactured with standard cabinets with the 90°-edge topcap and the Euro-Look cabinets with the rounded topcap

H50/52/55

** Pro H50/55-Series cabinets were manufactured with standard cabinets with the 90°-edge topcap and the Euro-Look cabinets with the rounded topcap.

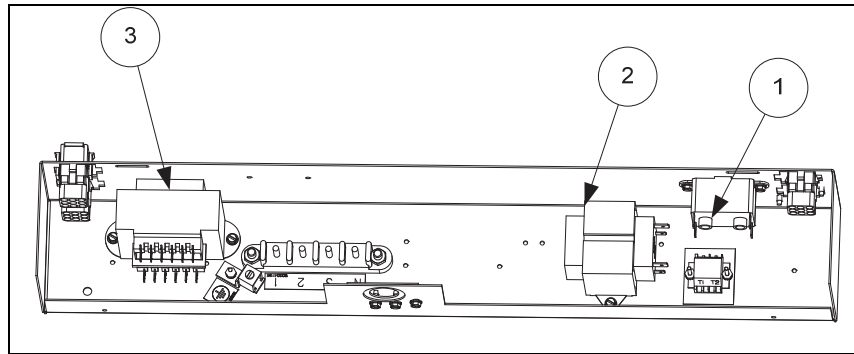
Gas Control Box Components



Item	Part #	Component
1	826-2264	Interface Board
2	807-3366	Honeywell Ignition Module, Dual-spark Full-vat
*	807-3365	Honeywell Ignition Module, Single-spark Dual-vat
3	807-3484	Connector, Rajah
4	807-6084	Relay, DPDT
5	807-5009	Ignition Wires, 19-inch
*	807-0834	Relay, SPDT Basket Lift
6	806-6085SP	Flame Sensor wire assembly
*	826-1393	Fuse (807-0910) 250V 3 amp Qty 10
*	807-3843	Fuse 250V 3 amp (on interface board)
*	826-2458	Speaker, McDonald's
*	810-3141	SMT Sound Device

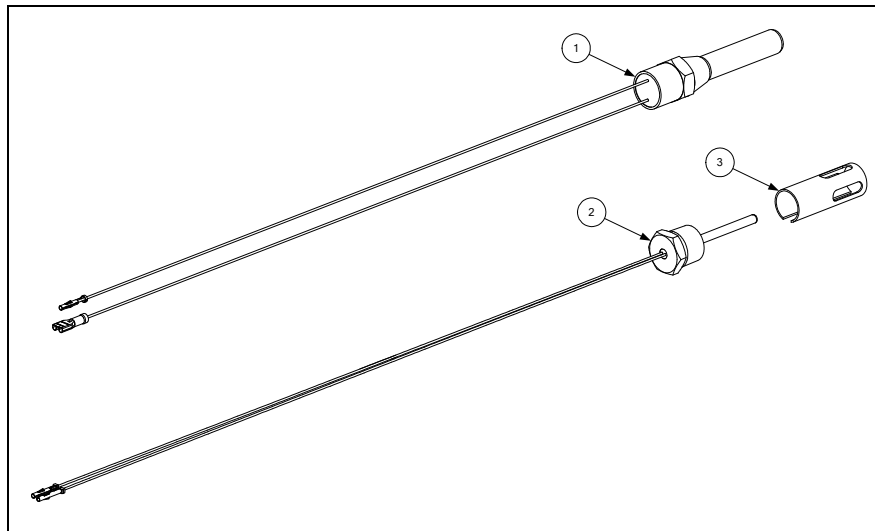
H50/52/55

Transformer/Relays



Item	Part #	Component
1	807-0012	4-Terminal Relay, Filter Only
2	807-0800	Transformer, 100-120V/24VAC 50/60Hz 50VA
3	807-4978	Transformer, 100-120V V/F Dual Voltage
*	807-1683	Relay, 12V (Hood Relay, McDonald's only. Can be located in transformer box.)
*	807-1978	Harness w/9-pin plug, H50/52 Wiring (Used exclusively thru the end of 2005)
*	807-4014	Harness w/6-pin plug, Pro Series (Used on #1 fryer in bank starting in 2006)

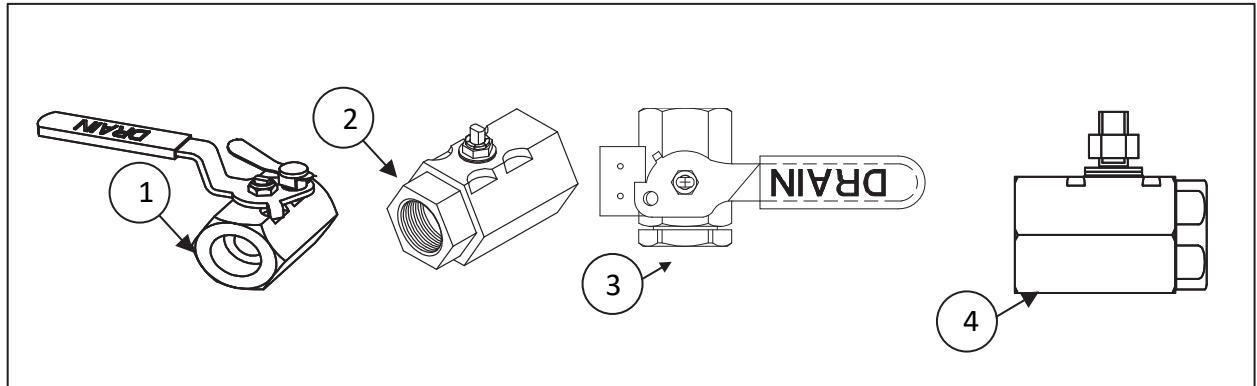
High-Limit Thermostat and Temperature Probe



Item	Part #	Component
1	826-1177	High Limit Thermostat - 425°F/218°C
2	806-4206	Temperature Probe
3	210-0681	Probe Guard

H50/52/55

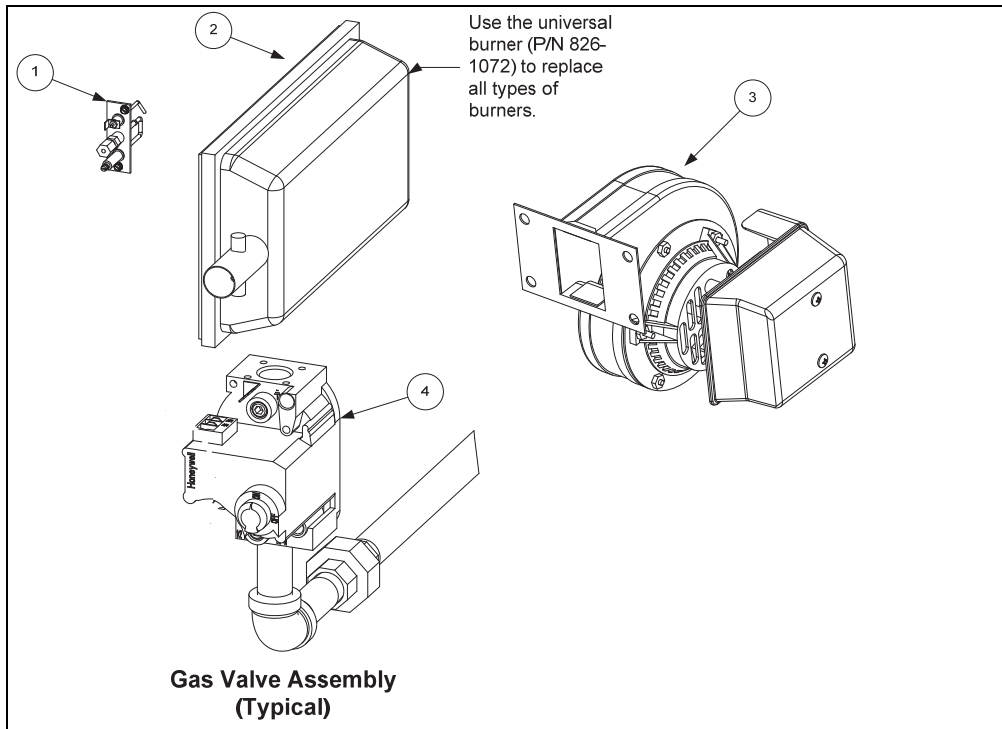
Drain Valves and Filter Plumbing



Item	Part #	Component
1	810-1569	1 1/4" FV, with handle, non-filter, H50/55, 2002-present
2	810-1338	1" DV, FM, no handle, 50/52
3	806-6053	1 1/4" FV FM, with handle, 50/52
4	810-1018	1 1/4" FV with filter, 50/52 2002-present
*	810-1114	1" DV with filter, 50/52/55 2002-present
*	823-1363	1 1/4" FV FM, without handle
*	806-4145	1 1/4" FV, non-filter, 50/52, 1984-present
*	807-2103	Switch, Micro (Lever)
*	807-2104	Switch, Micro (Roller)

H50/52/55

Gas Supply and Combustion System Components

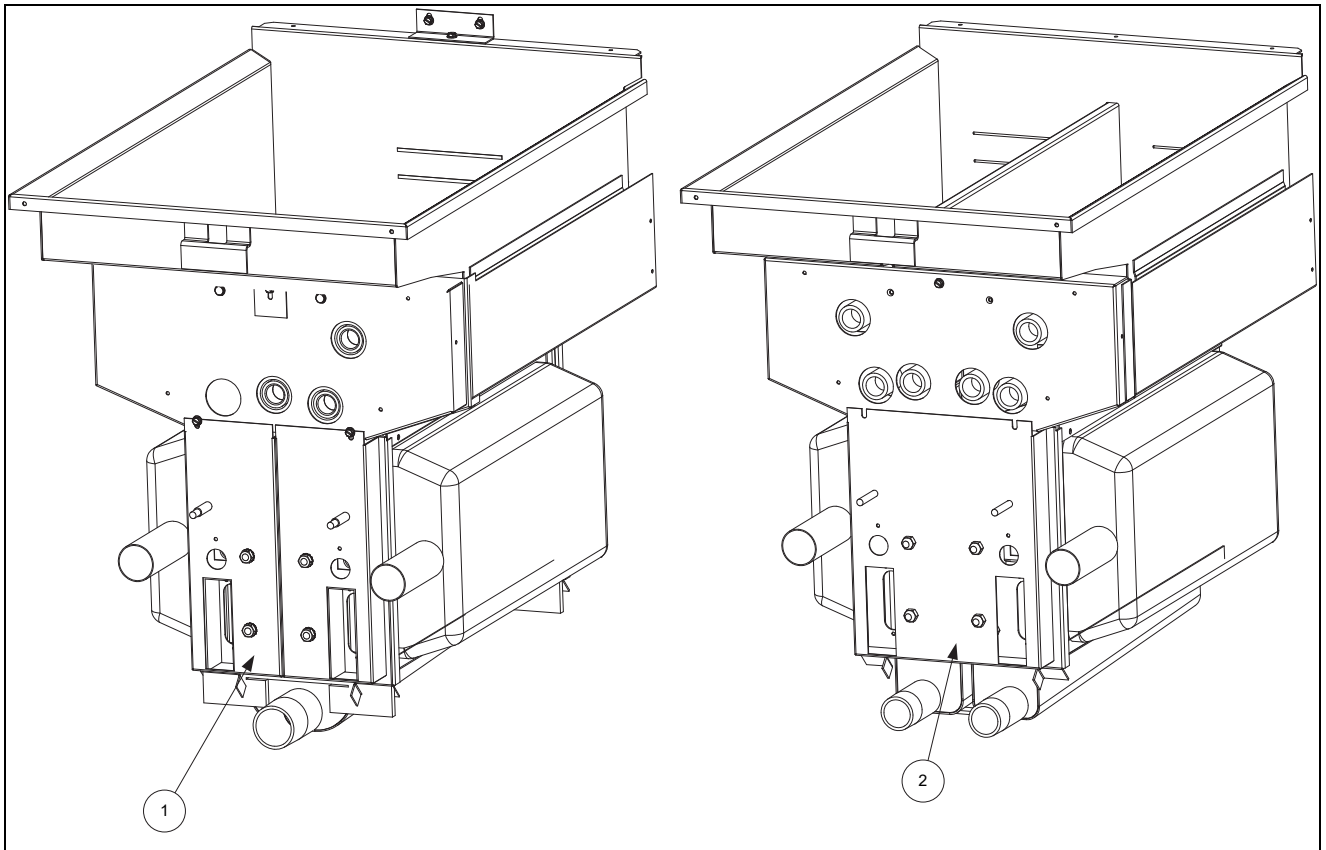


Item	Part #	Component
1		Igniter <i>(includes gasket 816-0059, which may be ordered separately)</i>
	826-0981	Natural Gas
	826-0982	Propane
2	826-1072	Universal Burner
		Blower Assembly, Combustion Air <i>(includes harness)</i>
3	106-2994SP	115V 50/60 Hz (Left)
*	106-2997SP	115V 50/60 Hz. (Right)
*	106-2995SP	230V 50/60Hz (Left)
*	106-3000	230V CE (Left)
4		Gas Valve
	826-1122	Natural Gas
	8261120	Kit, natural Gas
	826-1123	Propane
*		Conversion Kits
	826-1145	Natural Gas to Propane/Butane, Full vat
	826-1146	Propane/Butane to Natural Gas, Full vat
	826-1147	Natural Gas to Propane/Butane, Dual vat
*	826-1148	Propane/Butane to Natural Gas, Dual vat
*		Insulation
*	826-0929	Kit, Insulation, Full Vat H50/52/55
*	826-0930	Kit, Insulation, Split Vat H50/52/55
*	826-0931	Burner Insulation Kit, Full Vat H50/52/55
*	826-0932	Burner Insulation Kit, Split Vat H50/52/55

H50/52/55

*	812-0357	Insulation Burner DV/FV H50
*	816-0561	Insulation, outer front H50/52
*	812-0355	Insulation, rear lower outer FV H50
*	814-0048SP	Glass, Site, H50/52 FV/DV
*	812-0356	Site Glass Insulation
*	816-0059	Gasket, HE igniter
*	816-0057	Gasket, Plenum Chamber
*	812-0427	Insulation, Front Lower Inner

Frypots



Item	Part #	Component
1	106-1050SP	Frypot, Full Vat, Complete Assembly, Natural Gas or LP
2	106-1080SP	Frypot, Dual Vat, Complete Assembly, Natural Gas or LP

* Not illustrated

LOV Electric and Gas

Models: McD
BIELA14, BIGLA30



BIELA314



BIGLA330

The Low Oil Volume (LOV) fryers are an extension of the RE-series electric and the H55 gas fryers. The units feature low-volume frypots, automatic top off system, an advanced computer and automatic hands-off filtering.

A great many of the LOV components are common to both gas and electric platforms.

Unique physical characteristics:

Shallow frypots, ports for auto top off, onboard oil reservoir (JIB), advanced computer.

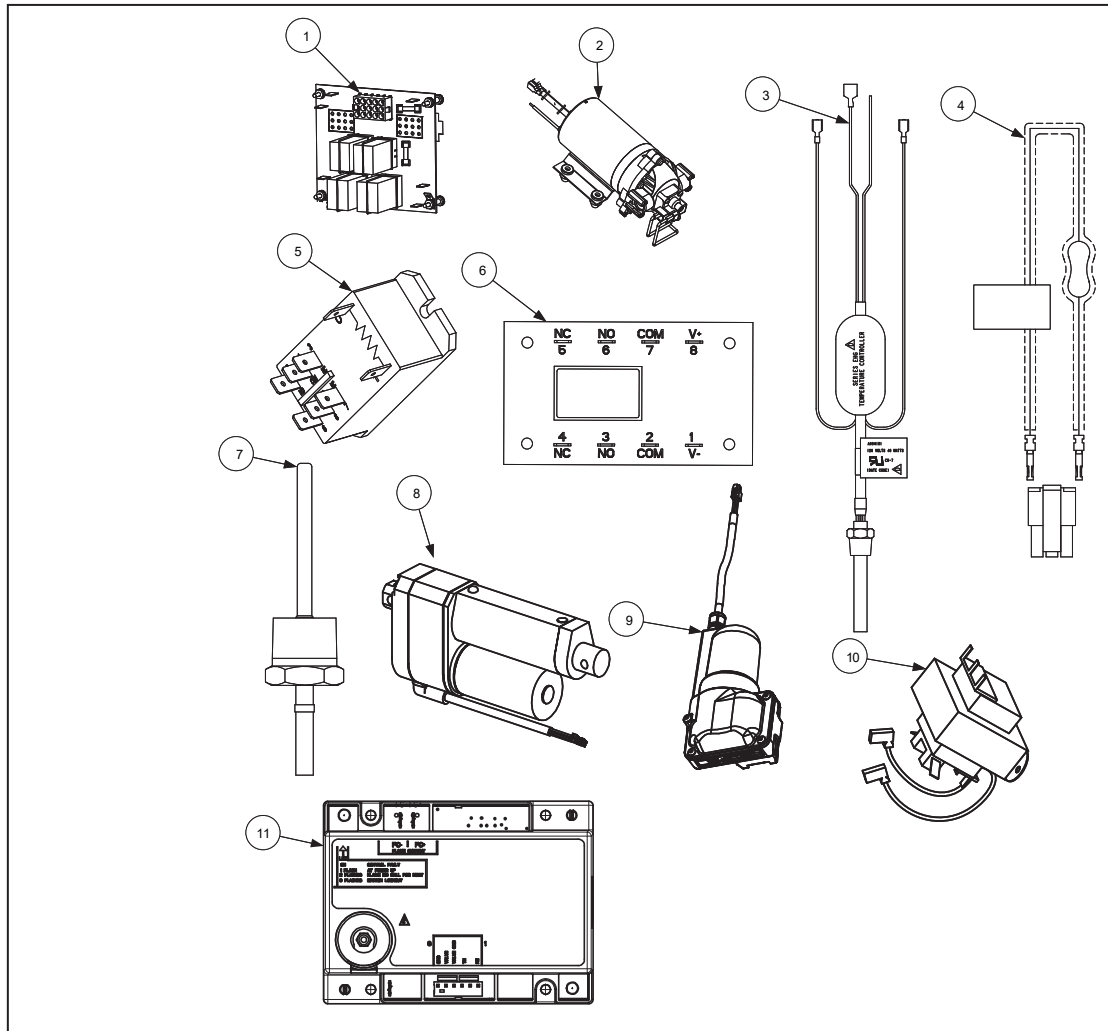
Where used:

McDonald's

Common Model numbers:

- **Electric** — BIELA214, BIELA314
- **Gas** — BIGLA230, BIGLA330

LOV Electric and Gas



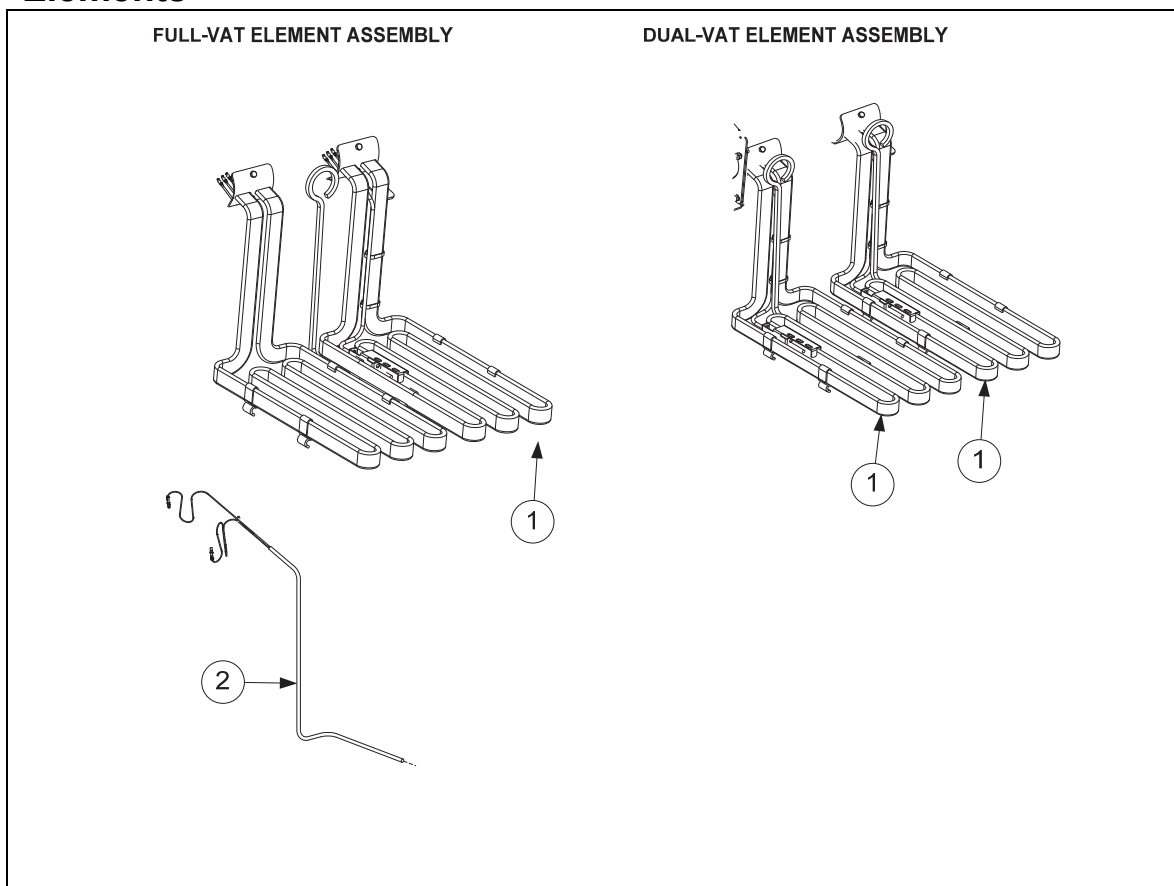
#	Gas	Electric	Description
1	826-2264	826-2260	Interface board
*	826-2706	x	ATO/AIF Probe
*	108-1279	x	ATO Board
*	108-2158SP	108-2156	MIB Circuit Board (internal with mylar & frame)
*	108-1306	108-1305	AIF Board Assy
*	108-1284	x	M3000 Computer
2	108-0639	x	Pump, Auto Top Off
3	807-4815	n/a	Sensor Assy Gas Oil Level 115v
4	807-4552	x	Harness, Communication, end
5	807-4482	X	Pump, Filter Relay, 24VDC, 30A DPDT
6	807-4812	n/a	Relay 7 sec delay 115v
*	807-6084	X	Relay, latch, DPDT, 7A 120V
7	826-3196	n/a	Kit, gas/OCF LOV temp probe

LOV Electric and Gas

*	826-3549	n/a	Igniter, Natural gas (with gasket)
*	826-3550	n/a	Igniter, propane (with gasket)
*	826-1177	x	425°F/218°C Hi-Limit kit
*	n/a	826-2456	435°F/224°C Hi-Limit kit DV
*	n/a	826-3417	Contactora, 50amp mech 24V coil
8	826-3295	x	Actuator, Linear (2009-March 2012)
*	807-4961	x	Rotary actuator, blue (site-specific; don't interchange colors) (April 2012 and Above)
9	807-4962	x	Rotary actuator, black (site-specific; don't interchange colors) (April 2012 and Above)
*	810-3754	x	Valve, 1/2 NPT (use with rotary actuator)
*	810-4353	x	Valve, 1-1/4 NPT (use with rotary actuator)
*	807-4978	n/a	Transformer, V&F Dual 100/120-12/24V
10	807-2181	x	Transformer 100/120-24V 62VA
11	826-3446	n/a	Kit, Fenwal MOD LOV
*	x	8072180	Transformer, V&F 208/230/240-12V
*	106-2997SP	n/a	115V Combustion Air Blower Assy

X = same on gas or electric

Elements



LOV Electric and Gas

#	Part #	Component
1		Element Kits – <i>includes gaskets, grommets, tie wraps, screws and nuts.</i>
	826-2192	208V 7.0 kW
	826-2194	240V 7.0 kW
		Probes
2	826-2212	Probe, Temperature RE – <i>includes tie wraps and grommet.</i>

* Not Illustrated.

Filter Quick Electric, Gas

Models: FQE30,
3FQG30



The FilterQuick fryers are an extension of the Low Oil Volume fryers. The units feature low-volume frypots, top off system, an advanced computer and automatic hands-off filtering. The units are also available with an Oil Quality Sensor (OQS), which monitors the remaining life of cooking oil and prompts for its replacement when the quality has declined.

A great many of the FilterQuick components are common to both gas and electric platforms.

Unique physical characteristics:

Shallow frypots, ports for auto top off, onboard oil reservoir (JIB), advanced computer.

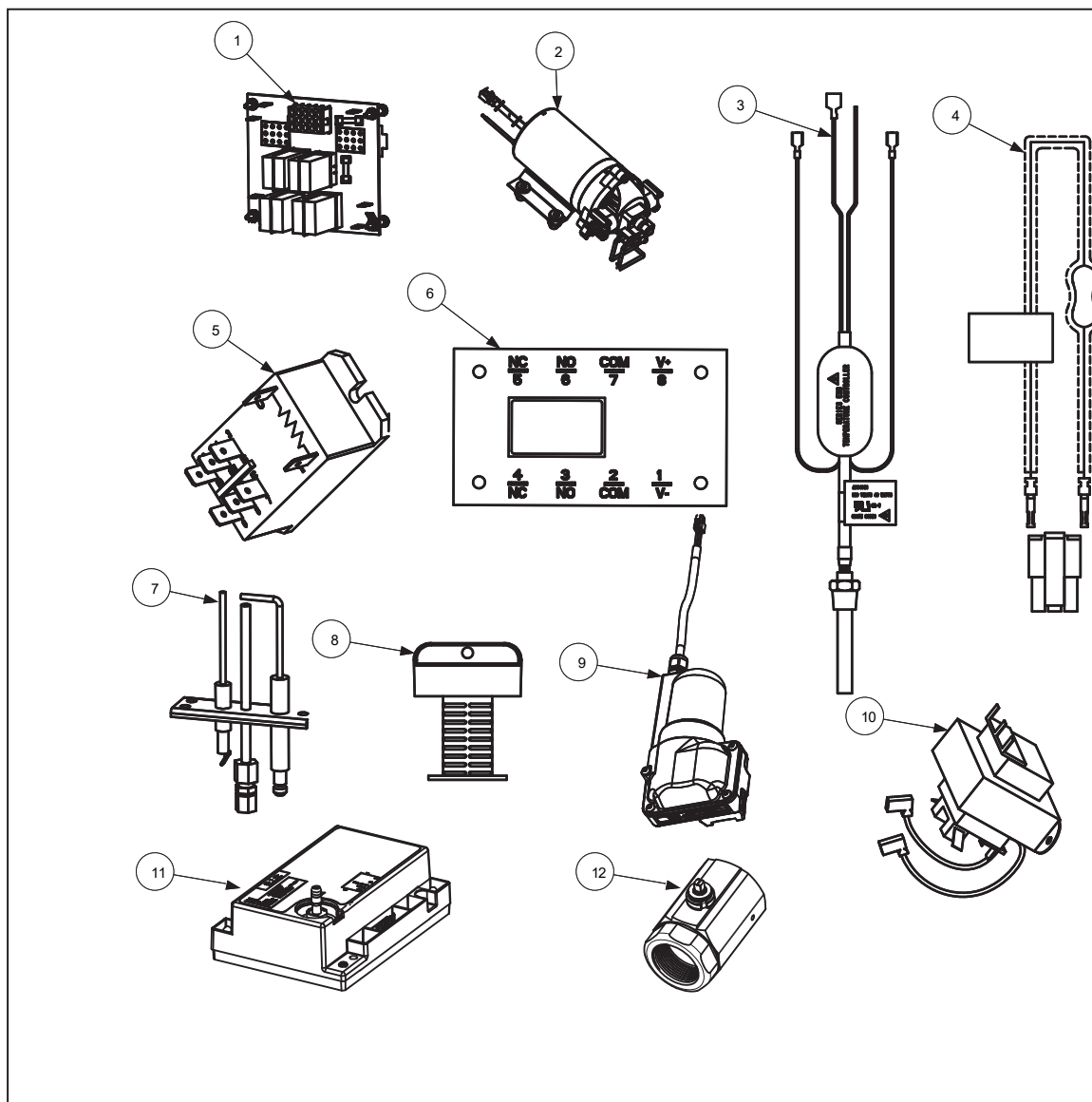
Where used:

Burger King, Cracker Barrel, Arby's, Applebee's

Common Model numbers:

- **Electric** — 3FQE30, 2FQE30
- **Gas** — 3FQG30, 2FQG30

Filter Quick Electric, Gas



#	Gas	Electric	Component
1	826-2264	826-2260	Interface board
*	108-5717	x	ATO Board
*	108-5723SP	108-5772	MIB Circuit Board (internal with mylar & frame)
*	108-5721	x	AIF Board with Software
	8263301	x	Generic Filterquick 3000 Controller
2	108-0639	x	Pump, Auto Top Off
3	807-4815		OIB Gas Oil Level 115v
4	807-4552	x	Harness, Communication, end
5	807-4482	x	Relay, 24VDC, 30A DPDT (Pump or Filter relay)

Filter Quick Electric, Gas

*	807-4346		Relay DPDT 20amp 120VAC (resets control power domestic units)
6	807-4812		Relay 7 sec delay 115v US, Canadian, Mexican
*	807-1683		Relay, 15A, 12VDC, Blower, OIB, Reset Switch
*	807-6084		Relay, DPDT 5A 12VDC Latch
*	807-0834	807-1683	Relay, SPDT, 15A, 12VDC, Basket Lift
*	826-3196	826-2212	Temperature probe
*	826-2706	x	FV/DV AIF/ATO/RTD Probe Kit
7	826-3053		Igniter, Natural gas (with gasket)
*	826-2994		Igniter, propane (with gasket)
*	826-1177	826-1177	425°F/218°C Hi-Limit kit
*		826-2456	435°F/224°C Hi-Limit kit DV
*		826-3417	Contactator, 50-amp mech 24V coil (Heat)
*		810-1202	Contactator, 40-amp 3 pole (Latch)
*	240-1086	x	Pre-Filter Wrench
8	823-8335	x	Cap, Pre-Filter
*	807-4961	x	Rotary actuator, blue (site-specific; don't interchange colors)
9	807-4962	x	Rotary actuator, black (site-specific; don't interchange colors)
*	810-3754	x	Valve, 1/2 NPT rotary
*	810-4353	x	Valve, 1-1/4 NPT rotary
*	807-4546	x	Harness, Communication
*	807-4547	x	Harness, Communication & Power
*	807-4850		Harness, AIF, MIB, Communication
10	807-4978		Transformer 100/120-24V 62VA
11	8263446		Fenwal Ignition Module kit (Used in fryers previously equipped with Capable Control modules. Not all kit components shown.)
*	807-2180	x	Transformer 208/240-24V 50VA
*	807-2191	x	Transformer, V&F 208/230/240-12V
*	826-3511	x	Software Kit, SD Card
12	810-3755		Drain valve, full/dual, gas, rotary
*	810-4353		Drain valve, full/dual, electric, rotary
*	807-4199		Cable, SMT Computer to Interface
*	826-3550		Kit, Igniter LP/Butane
*	826-2592		Kit GL30, FV Burner Insulation
*	106-2997SP		Blower, RH
*	826-2024		Ignition Cable
*	826-2593		Kit, GL30 DV Burner Insulation
*	816-0057		Gasket, Plenum Chamber
*	810-4688		Burner, GL30 Universal Svc
*	826-3553		Kit, Igniter, Natural Retro

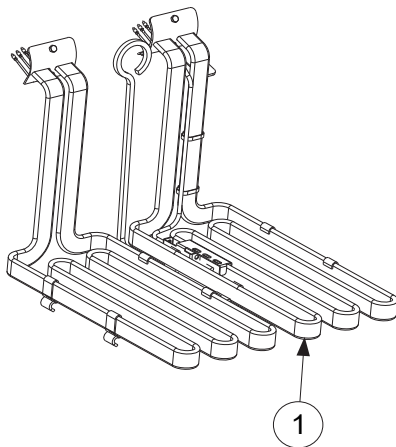
Filter Quick Electric, Gas

*	816-0981		Gasket, Igniter Solaronics
*	807-5949		Module, Fenwal
*	8066085SP		Wire Assy, Ignitor
*	8263054		Kit, Solaronics
*	803-0375		Rack, GL30 FV basket
*	8263288		O-Ring, (8161041) Pkg of 6

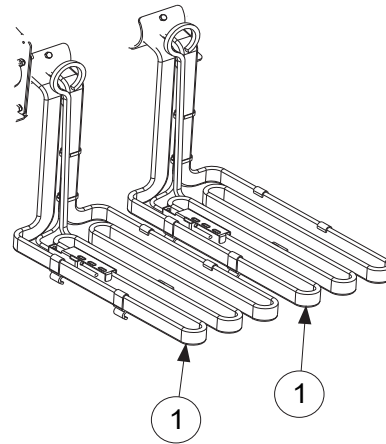
X = same as gas

Element Assemblies and Associated Parts

FULL-VAT ELEMENT ASSEMBLY



DUAL-VAT ELEMENT ASSEMBLY



#	Part #	Component
1	826-2192	208V 7.0 kW
	826-2197	208V 8.5 kW
	826-2210	208V 11.0 kW
	826-2194	240V 7.0 kW
	826-2200	240V 8.5kW
	826-2193	230V 7.0 kW
	826-2199	230V 8.5kW
	826-2206	230V 11kW
	826-2207	240V 11.0 kW
	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

Touchscreen Parts Section



Touchscreen fryers have similar features and share many common parts. Probes, actuators, circuit boards are often the same across fryer platforms.

Be careful with brand-specific parts such as circuit boards, as they can be loaded with software specific to a restaurant chain. **DON'T USE RESTAURANT-SPECIFIC PARTS OUTSIDE THE SPECIFIED RESTAURANT CHAIN.**

(8)(9) (5)

1FQE80U-T component box shown. Components in this box may be present in other configurations.

ITEM	PART #	COMPONENT
1	Control Section	Controller Section
2	Board Section	Smart Interface Board
3	Board Section	Filter Interface Board
*	Control Section	See Lanyards In Control Section
4	Board Section	Kccm/Sui Board
5	Pwr Section	24vdc Power Supply
6	8075362	Transformer, 115-240v 80va 24vac (Sib)
7	8074482	Relay, Dpdt 30a 24vdc (Filter Pump)
8	8075570	Fuse 3.5a 250v
9	8072278	Fuse, 20 Amp
10	Board Section	Valve Interface Board (Under Frypot)
	Terminator Section	Can Terminators

* Not illustrated.

Parts that reference a specific section rather than a part number are listed in a parts section, grouped by fryer models that use the same parts.

Some parts listings in this manual reference a list for the part in question rather than a part number. In those cases, turn to the list to find the part for the model of fryer being repaired. If you don't need a drawing to help identify the part, you can turn to the list straightaway.

Touchscreen Parts Section

Actuators

Model	Part Number	Description
FQE80-T, BIELA-T, BIGLA-T, FQG30-T, FQE60-T	8075808	Actuator, Rotary 24VDC (#2) Black
FQG60-T, BIELA-T, BIGLA-T, FQG30-T, FQE60-T	8075809	Actuator, Rotary 24VDC (#1) Blue

Boards

Models	Part Number	Description
BIGLA-T, BIELA-T	1085996SP	VIB Board Assembly
FQE80-T, FQE60-T, FQG60-T	1087514sp	VIB Board Assembly
FQE30-T, FQG30-T	1087537	VIB Board Assembly
FQG30-T, BIGLA-T, FQE30-T, BIELA-T	1085979	Board, Interface SIB (Smart Interface Board)
FQE60-T, FQE80-T, FQG60-T	1087511SP	Board, Interface SIB (Smart Interface Board)
FQG30-T, FQE30-T, FQE60-T, FQG60-T	1087513SP	Board, FIB w/ Software General Market / Burger King
BIELA-T, BIGLA-T	1086575	Board, FIB w/ Software
FQE30-T, FQG30-T	1087535SP	Board, FIB w/ Software Taco Bell
FQE80-T	1089023SP	Board, FIB w/ Software 7-11
FQE60-T, FQE80-T, FQG60-T	8076148	BOARD, FQ4000 KCCM (SUI)
FQG30-T, FQE30-T	1088447SP	PCB, Assy FQ4000 KCCM/SUI Taco Bell
BIGLA-T, BIELA-T	8075982	PCB, Assy JLOV KCCM/SUI
FQG60-T	8076402	Board, 3.5-second Time Delay Relay 24VDC
FQG30-T, BIGLA-T	8074812	Relay Board, 7-second Time Delay 120V (U.S., Canadian and Mexico units)

Cables

Models	Part Number	Description
FQG30-T, BIGLA-T, FQE30-T, FQE60-T, FQE80-T, FQE80-T, FQG60-T	8074990	Cable, USB
FQG30-T, BIGLA-T	8075614	Cable, Ignition
FQE30-T, FQE60-T, BIELA-T, FQG60-T, FQE80-T, BIGLA-T	8075549	Cable, C-Bus Right SIB to Right SIB (Connects component boxes together)
FQG60-T, FQE30-T	8075550	Cable, C-Bus Right SIB (J8) to FIB (Filtration Interface Board) (J4) VATS #2 & #3
BIELA-T, BIGLA-T, FQE30-T	8075551	Cable, C-Bus Right SIB to FIB (Filtration Interface Board)
BIGLA-T, FQE30-T, BIELA-T	8075553	Cable, P-Bus Left SIB (J9) to Right SIB (J9)
BIELA-T, FQE30-T, FQE80-T, FQE60-T, BIGLA-T, FQG60-T	8075555	Cable, P-Bus w/ power Right SIB to VIB (Valve Interface Board)
BIGLA-T, FQE60-T, FQE80-T, FQE30-T,	8075810	Cable, FIB to VIB Actuator Power (used from FIB item #1 (J2) to VIB (J4) and from VIB (J3) to VIB (J4))
BIGLA-T, FQG60-T	8075969	Cable, USB Receptacle Mount (USB end attaches to Item 4)
FQE60-T, BIGLA-T, FQG60-T, FQE80-T, BIELA-T	8075977	CABLE, RJ45 OVERMOLD CAT5E 0.2MM (connects KCCM (SUI) rj45
BIGLA-T, FQE60-T, FQG60-T, FQE80-T	8076225	Cable, U. FL to RP-SMA Bulkhead
FQE60-T, FQE80-T	8076315	CABLE, XL VIB ACTUATOR POWER (from FIB (J2) to VIB BOARD (J4))

Touchscreen Parts Section

Controllers

Model	Part Number	Description
BIGLA-T, BIELA-T	1086730SP	Controller, M4000 Domestic USA
FQG30-T, FQE30-T	1087515SP	Controller, FQ4000 Burger King
FQE30-T, FQG30-T	1087769SP	Controller, FQ4000 Arby's
FQE30-T, FQG30-T	1087847SP	Controller, FQ4000 Taco Bell
FQG30-T, FQE30-T	1088521SP	Controller, FQ4000 A&W
FQG30-T, FQE30-T	1088523SP	Controller, FQ4000 General Market
FQG60-T	1088525SP	Controller, FQ4000 FQG60T General Market
FQE60-T	1088526SP	Controller, FQ4000 FQE60U-T GENERAL MARKET
FQE60-T	1088536SP	Controller, FQ4000 FQE60U-T Speedway
FQG60-T	1088860SP	Controller, FQ4000 FQG60T Chick-Fil-A
FQE80-T	1088861SP	Controller, FQ4000 7-11
FQG60-T	1088892SP	Controller, FQ4000 FQG60T Swiss Chalet
FQE60-T	1088914SP	Controller, FQ4000 FQE60U-T RACETRAC (LEFT AND MIDDLE) CONTROLLER)
FQE60-T	1088922SP	Controller, FQ4000 FQE60U-T RACETRAC (FAR RIGHT CONTROLLER)
BIELA-T, BIGLA-T, FQE30-T, FQG30-T	8104320	Lanyard, Controller Restraint
FQE60-T, FQG30-T, FQE80-T	8105076	Lanyard, Controller Restraint

Power Supply

Model	Part Number	Description
FQG60-T, BIELA-T, BIGLA-T, FQE30-T, FQG30-T	8075855	POWER SUPPLY, 24VDC 130W ATO, Actuators, Filter Pump, Top Off Pump
FQG30-T, BIELA-T, BIGLA-T, FQE30-T	8075974	Power Supply, 24VDC, 15W for KCCM SUI board
FQE80-T, FQE60-T	8076522	POWER SUPPLY, 24VDC 130W ATO

Probes

Model	Part Number	Description
FQE30-T	8074324	Probe, Temperature Fast Ready
FQE30-T	8262212	Probe, Temperature RE – includes tie wraps and grommet.
FQG30-T, BIGLA-T	8263285	Probe, Temperature Cooking Kit
BIGLA-T, FQG30-T, FQG60-T	8263286	Probe, ATO (Topoff) RTD Kit
FQE60-T, FQE80-T, FQG60-T, BIGLA-T, BIELA-T, FQG30-T	8263287	Probe, Kit AIF/VIB RTD
BIELA-T	8263450	Kit, Touch Elec Temperature Probe– includes tie wraps and grommet.
FQE60-T, FQE80-T, BIELA-T	8263544	Probe, Kit Touch Elec ATO RTD
FQE60-T	8263605	Probe, Temperature FQE60-T – includes tie wraps and grommet.
FQG60-T	8263642	Probe, Temperature KIT
FQE80-T	8263670	Probe, Temperature FQE80-T – includes tie wraps and grommet.

Touchscreen Parts Section

Pump Motor/Gaskets/Pumps

Model	Part Number	Description
FQG60-T, BIELA-T, BIGLA-T, FQE60-T	1084372	Pump, Shurflo 24VAC
FQG60-T, BIELA-T, BIGLA-T	8261270	Pump Motor/Gasket, 220-240V 50/60 Hz
FQG60-T, BIELA-T, BIGLA-T	8261712	Pump Motor/Gasket, 115V 50/60 Hz
FQG60-T, BIELA-T, BIGLA-T	8261755	Pump Motor/Gasket, 250V 50/60 Hz
FQG60-T, BIELA-T, BIGLA-T	8261756	Pump Motor/Gasket, 208V 50/60 Hz
FQG60-T, FQE60-T, BIELA-T	8263192	Pump & Gasket Kit, 8 GPM (includes 8160093, 8091020 & 8090194)
FQG60-T, FQE60-T	8263415	Pump & Gasket Kit, 8 GPM w/ Heater hole (includes 8160093, 8091020 & 8090194)
BIGLA-T	8263191	Pump and Gasket Kit, 4 GPM

Terminators

Model	Part Number	Description
FQG60-T, FQE80-T, FQE60-T, FQE30-T, BIGLA-T, BIELA-T	8074552	Terminator, CAN (ONLY used on OQS harness Y- adaptor)
FQG60-T, FQE80-T, FQE60-T, FQE30-T, BIGLA-T, BIELA-T	8075632	Terminator, CAN End Communication RJ11 (used in SIB J7 if OQS is NOT installed)

FQE30T

Models: FQE30T



This is the general market 30-pound electric fryer with an advanced touchscreen controller.

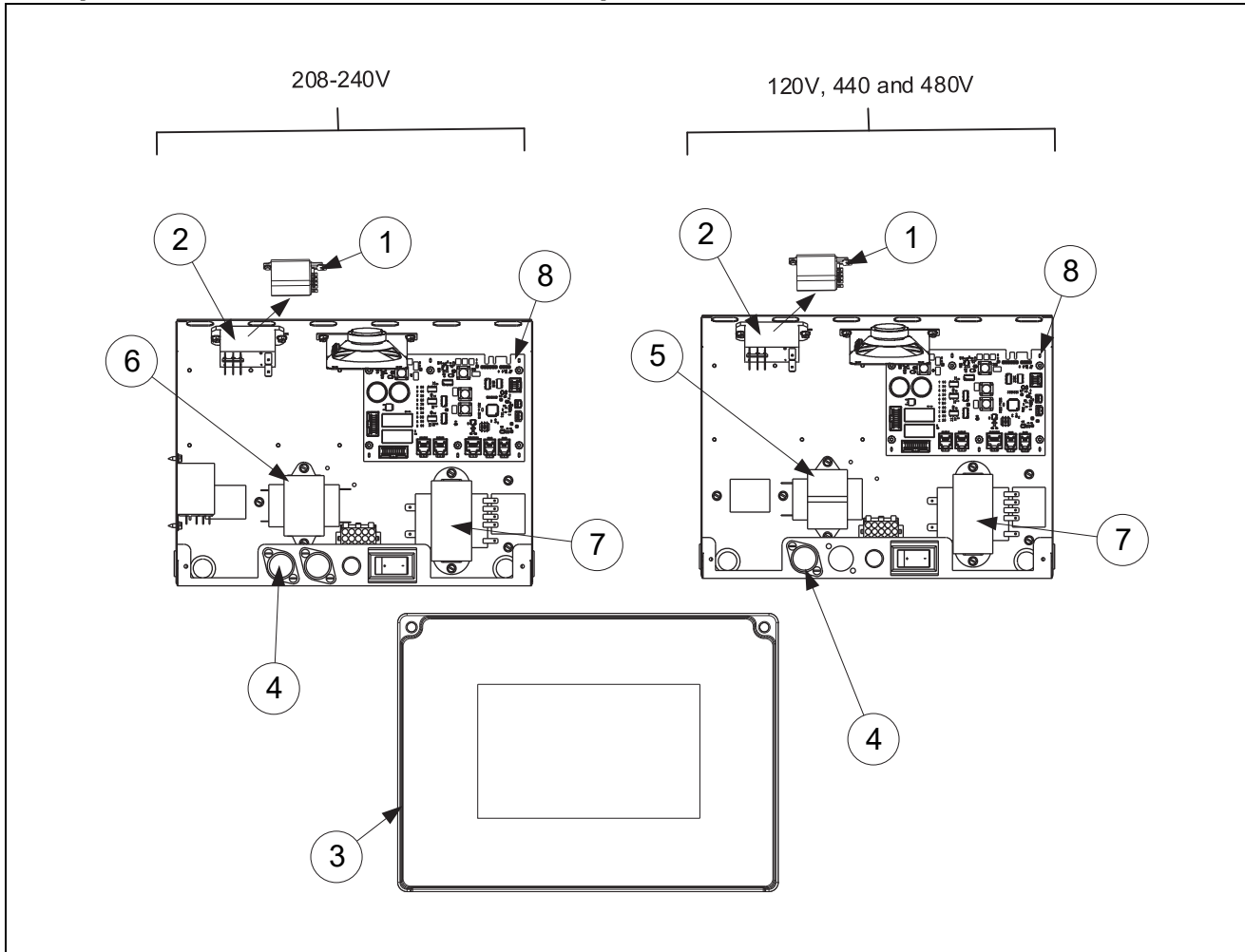
Unique Physical Characteristics:

Advanced touchscreen controller, new circuit boards.

Common Model Numbers: 2FQE30T, 3FQE30T, 4FQE30T

FQE30T

Component Boxes and Associated Components

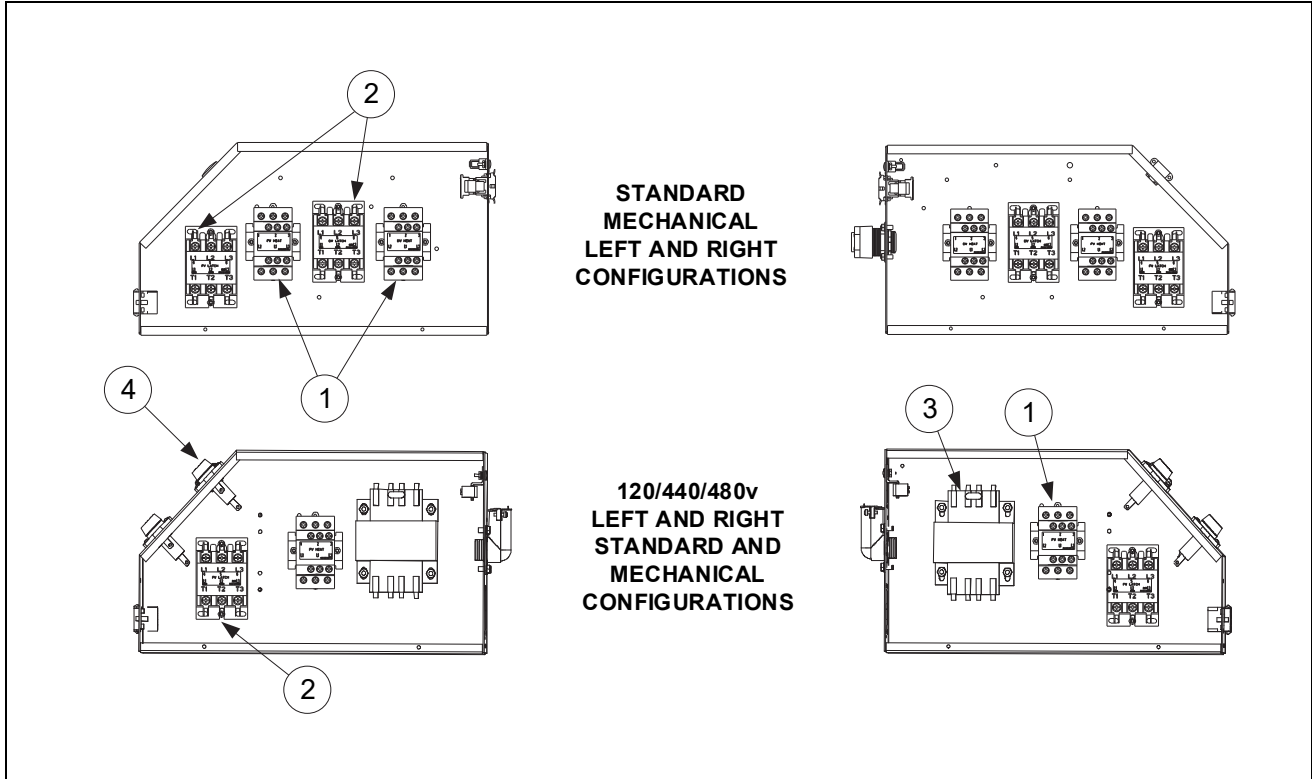


ITEM	PART #	COMPONENT
1	8074346	Relay, DPDT 20A 120V <i>(used for control power reset in right hand boxes only in domestic and Canadian units)</i>
2	8074482	Relay, Filter 2 Pole 30A DPDT 24VDC
3	Controllers Section	Controllers, Lanyard section
	8072278	Fuse, 20 Amp
5	8070800	Transformer, 100-120V/24V 50VA Filter
6	8070680	Transformer, 208/240V/24V 43VA Filter (Non-CE)
7	8075362	Transformer, 115-240V/24V 80VA
8	Board Section	Smart Interface Board
*	Terminator Section	Terminator

* Not illustrated.

FQE30T

Contactor Boxes

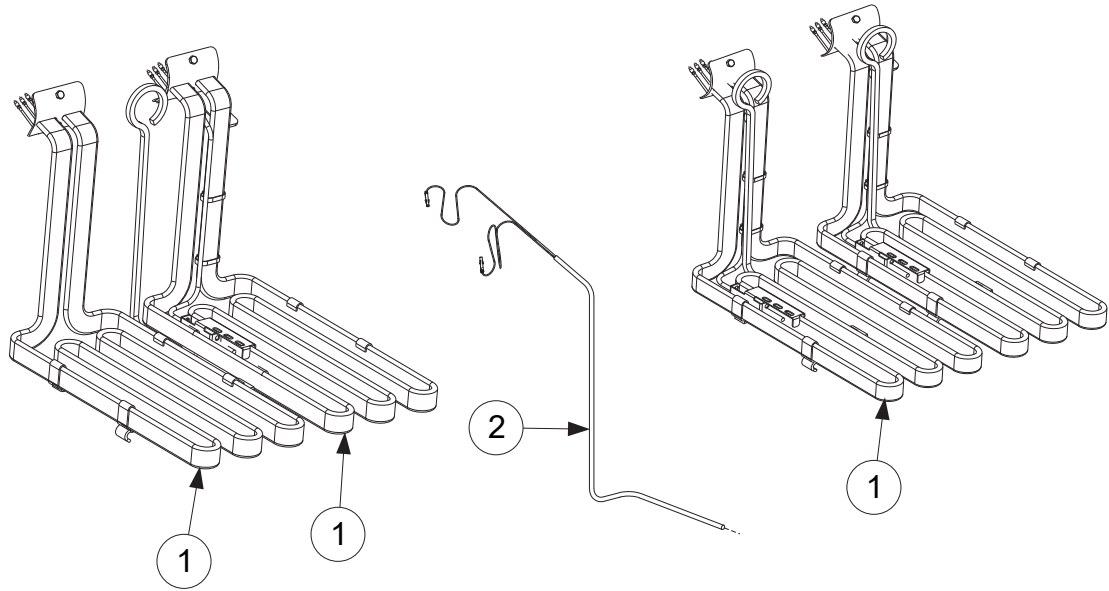


ITEM		PART #	COMPONENT
✓	1	8263417	Contactor, 24V 50 Amp TESS LC1D32B7 (Heat)
✓	2	8101202	Contactor, 24V 40 Amp (Latch)
	3	8070064	Transformer, 480V/120V 150VA
	4	8070922	Holder, Bus Fuse
	*	8072278	Fuse, 20 Amp
	*	8070012	Relay, Tilt Switch 18 Amp 1/3 HP 24 V Coil

FQE30T

FULL-VAT ELEMENT ASSEMBLY

DUAL-VAT ELEMENT ASSEMBLY



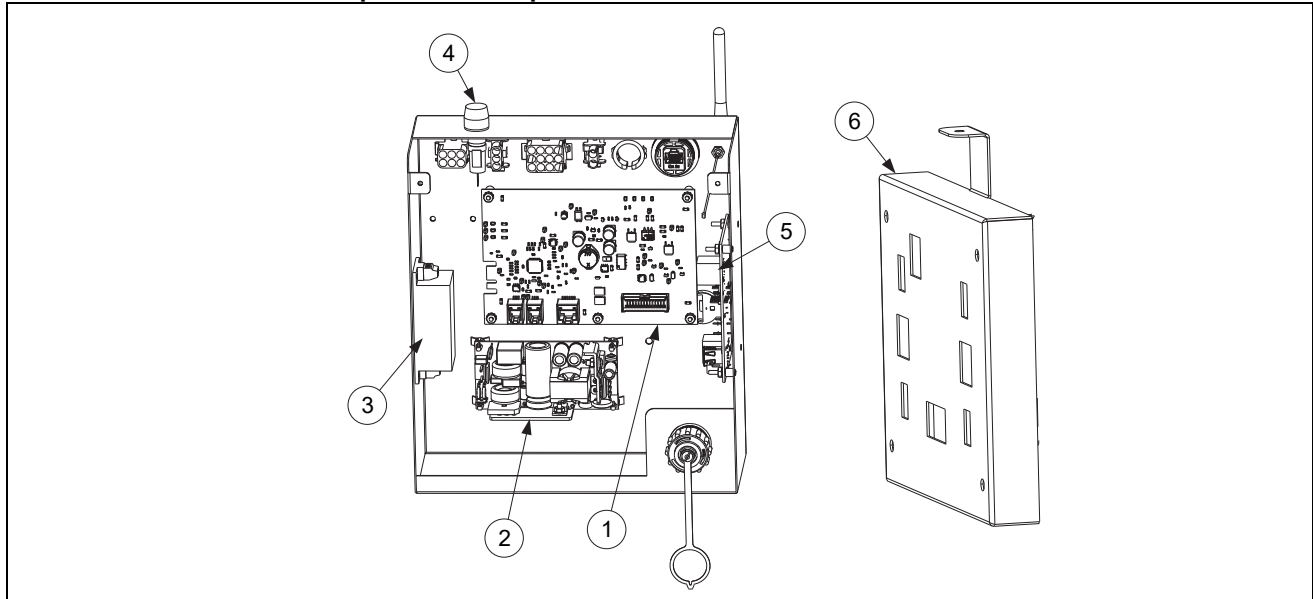
Element Assemblies and Hardware

ITEM	PART #	COMPONENT
1		Element Kits – <i>includes gaskets, grommets, tie wraps, screws and nuts.</i>
	8262198	200V 7.0 kW (220V 8.5kW used in some export 3-phase 4-wire WYE units)
	8262201	200V 8.5 kW
	8262192	208V 7.0 kW
	8262197	208V 8.5 kW
	8262200	220V 7.0 kW (220V 8.5kW used in some export 3-phase 4-wire WYE units)
	8262193	230V 7.0 kW
	8262199	230V 8.5 kW
	8262194	240V 7.0 kW
	8262195	440V 7.0 kW
	8262202	440V 8.5 kW
	8262196	480V 7.0 kW
	8262203	480V 8.5 kW
2	Probe Section	Probe

* Not illustrated.

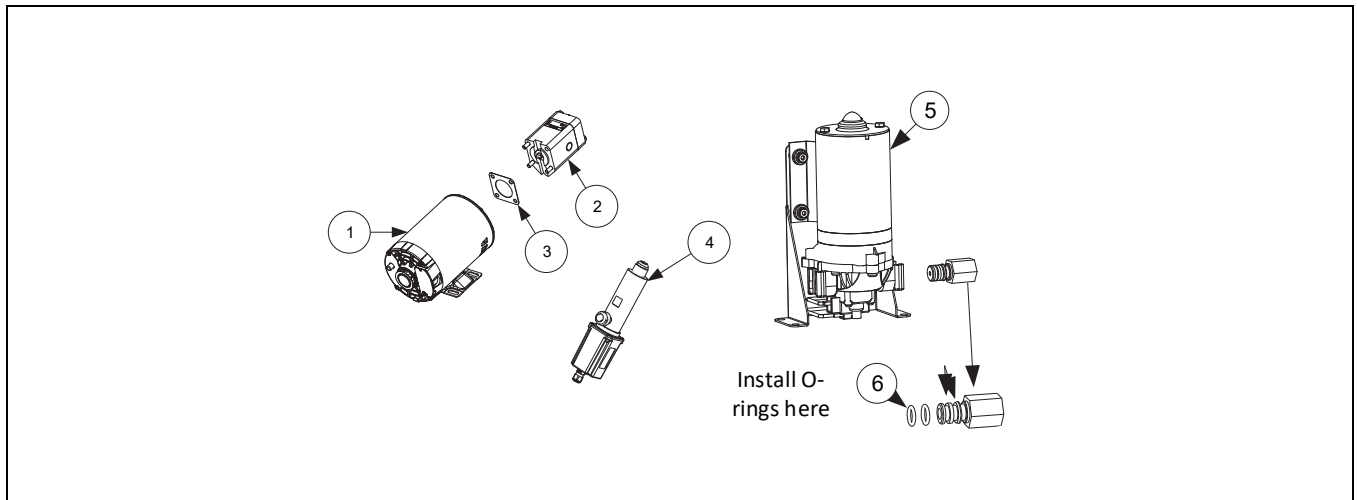
FQE30T

Filtration Interface Board, Top Off Box Components, Valve Interface Board



ITEM	PART #	COMPONENT
1	Board Section	Filter Interface Board
2	PWR Section	24VDC Power Supply
3	PWR Section	24VDC Power Supply
4	8075570	Fuse, 250VAC 3.5A Fast Acting
5	Board Section	KCCM/SUI Communication Board
6	Board Section	Valve Interface Board (Under frypot)
*	Terminator Section	Terminator
*	Cable Section	Cable

Filter Pump, Top Off Pump, Oil Sensor and Accessories



ITEM	PART #	COMPONENT
1	Pump Section	FILTER PUMP
3	8160093	GASKET, PUMP/MOTOR
4	8263292	SENSOR, FILTERQUICK OQS REPLACEMENT
5	Pump Section	TOP OFF PUMP
6	8160782	TOP OFF PUMP O-RINGS

FQG30

Model: FQG30



A thirty-pound fryer with advanced touchscreen controller, oil sensor and top off.

Unique Physical Characteristics:

- Touchscreen controller, top off

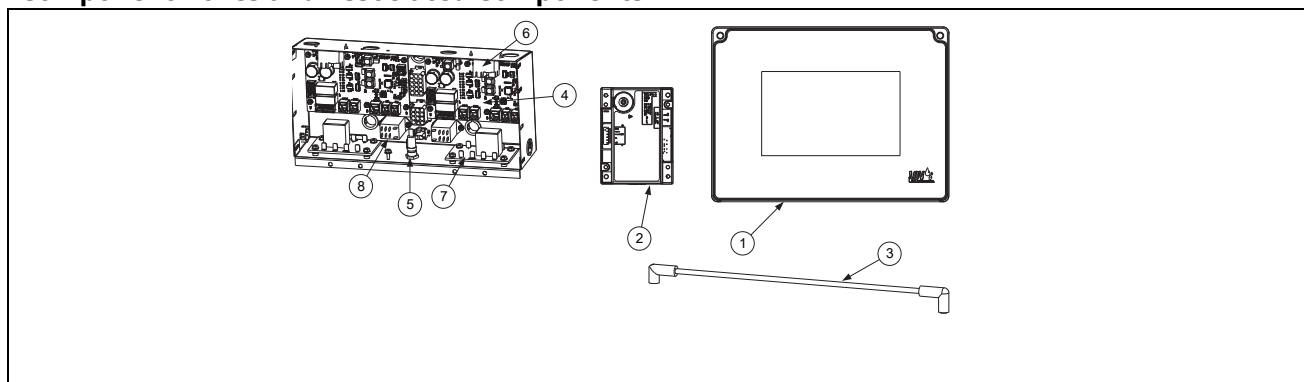
Where Used:

Found in major fast food chains: Taco Bell, Burger King, etc.

Common Model Numbers:

FQG30

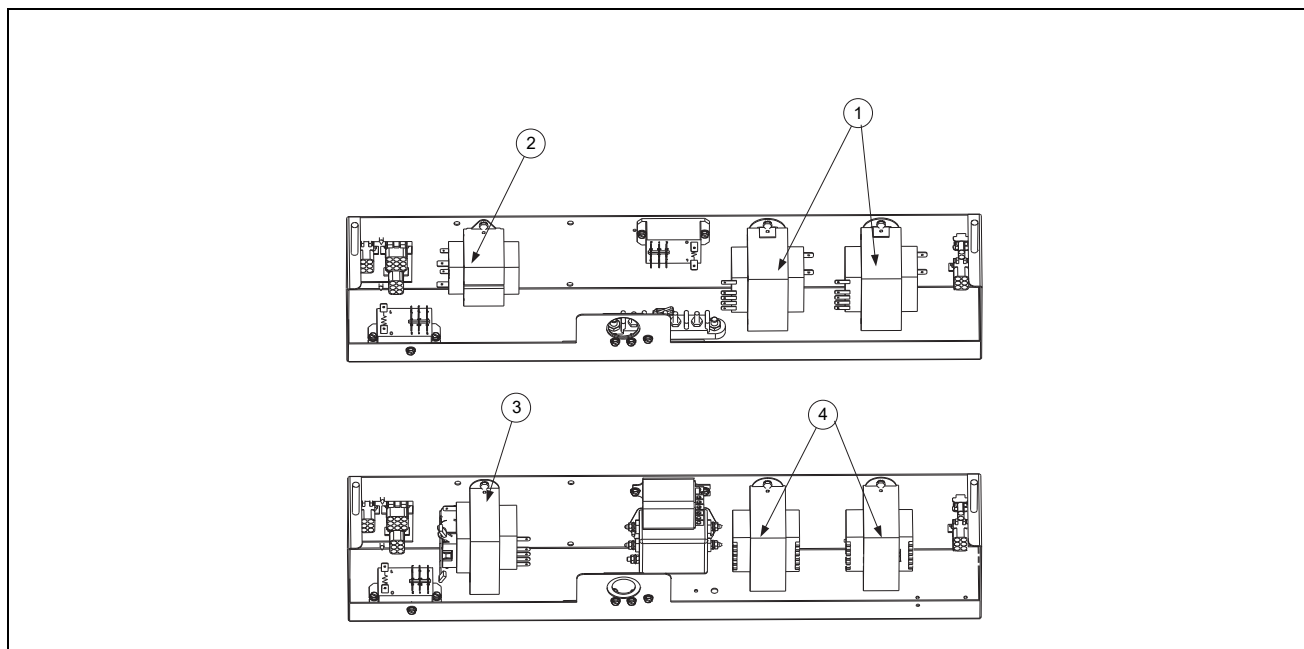
Component Boxes and Associated Components



ITEM	PART #	COMPONENT
1	Control Section	Controller
2	8075949	Module, Ignition Single Spark Fenwal
	8076382	Module, Ignition Single Spark Fenwal FV (Left) / DV Australia 3 sec
	8076383	Module, Ignition Single Spark Fenwal FV (Right) Australia 4 sec
3	Cable Section	Ignition Cable
4	Board Section	Smart Interface Board
5	8075570	Fuse 3.5A 250V
6	8071683	Relay, Blower 12VDC
7	Board Section	Relay Board, 7-second Time Delay 120V (U.S., Canadian and Mexico units)
8	8075623	Relay, 24VDC SPDT OIB (Oil Is Back) Sensor
*	8072659	Switch, Momentary (<i>Power Reset, only in far-left component box prior to 12/6/2017</i>)
*	Control Section	Lanyard

* Not illustrated. ✓ Recommended parts.

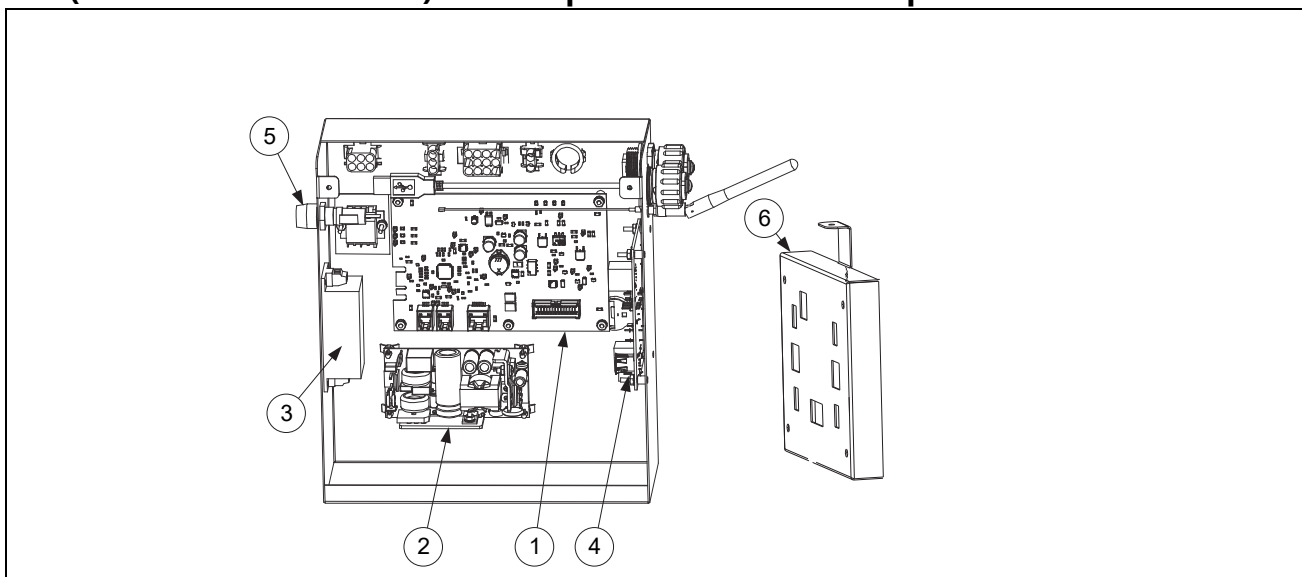
Transformer Boxes



ITEM	PART #	COMPONENT
		Box Assembly, Transformer
1	8075362	Transformer, 115-240V 80VA 24VAC
2	8070800	Transformer, 120V/24V 50VA Filter
3	8072180	Transformer, 120V/24V 50VA Filter
4	8071022	Transformer, 220/240V 75VA

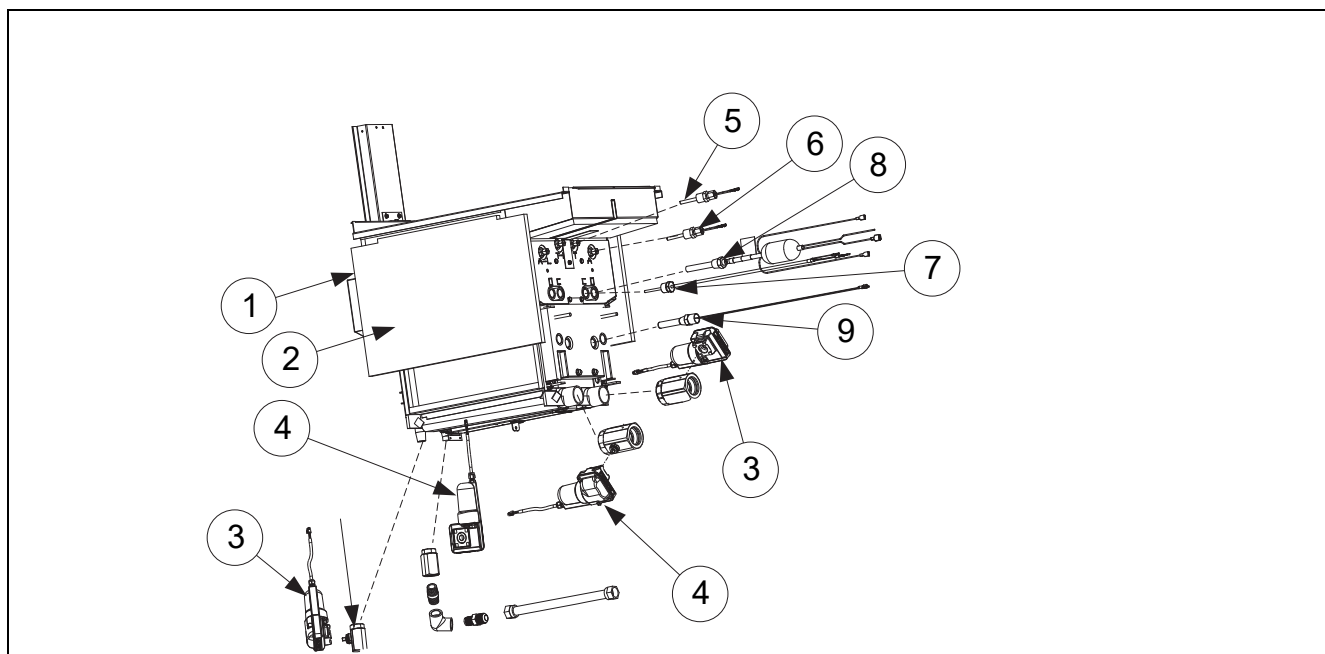
FQG30

FIB (Filter Interface Board) Auto Top Off / Filter Box Components



ITEM	PART #	COMPONENT
1	Board Section	Filter Interface Board
2	PWR Section	24VDC Power Supply
3	PWR Section	24VDC Power Supply
4	Board Section	KCCM/SUI Board
5	8075570	Fuse, 250VAC 3.5A Fast Acting
6	Board Section	Valve Interface Board

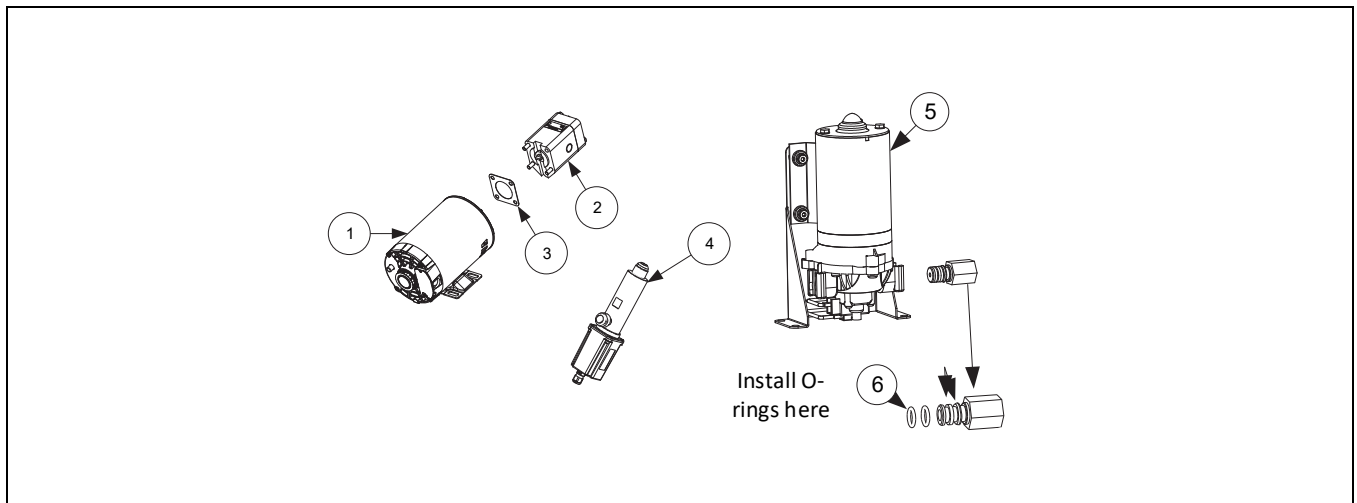
Frypot Assemblies and Associated Parts



FQG30

ITEM	PART #	COMPONENT
1	1081752SP	Frypot Assembly, Full-Vat Natural/Propane
2	1081753SP	Frypot Assembly, Dual-Vat Natural/Propane
3, 4	Actuator Section	See Actuator Section
5	Probe Section	Automatic Top Off Probe
6	Probe Section	Valve Interface Board Probe
7	Probe Section	Temperature Probe
8	8076384	Sensor Assy, Oil 120V (only in units with optional OIB sensor)
9	8261177	Thermostat Assembly, HE High-Limit 425°F/218°C Kit
*	8263549	Ignitor Natural Gas (G20, G25) (includes gasket 8160981
*	8263552	Ignitor Propane (G30, G31) (includes gasket 8160981
*	8263549	Ignitor Natural Gas (G20, G25) (includes gasket 8160981
*	8263552	Ignitor Propane (G30, G31) (includes gasket 8160981

Filter Pump, Top Off Pump, Oil Sensor and Accessories



ITEM	PART #	COMPONENT
1	Pump Section	FILTER PUMP
3	8160093	GASKET, PUMP/MOTOR
4	8263292	SENSOR, FILTERQUICK OQS REPLACEMENT
5	Pump Section	TOP OFF PUMP
6	8160782	TOP OFF PUMP O-RINGS

FQE60T

Models: FQE60T



A large electric fryer with advanced touchscreen controller.

Unique Physical Characteristics:

- Large vat, oil quality sensing, auto top off.

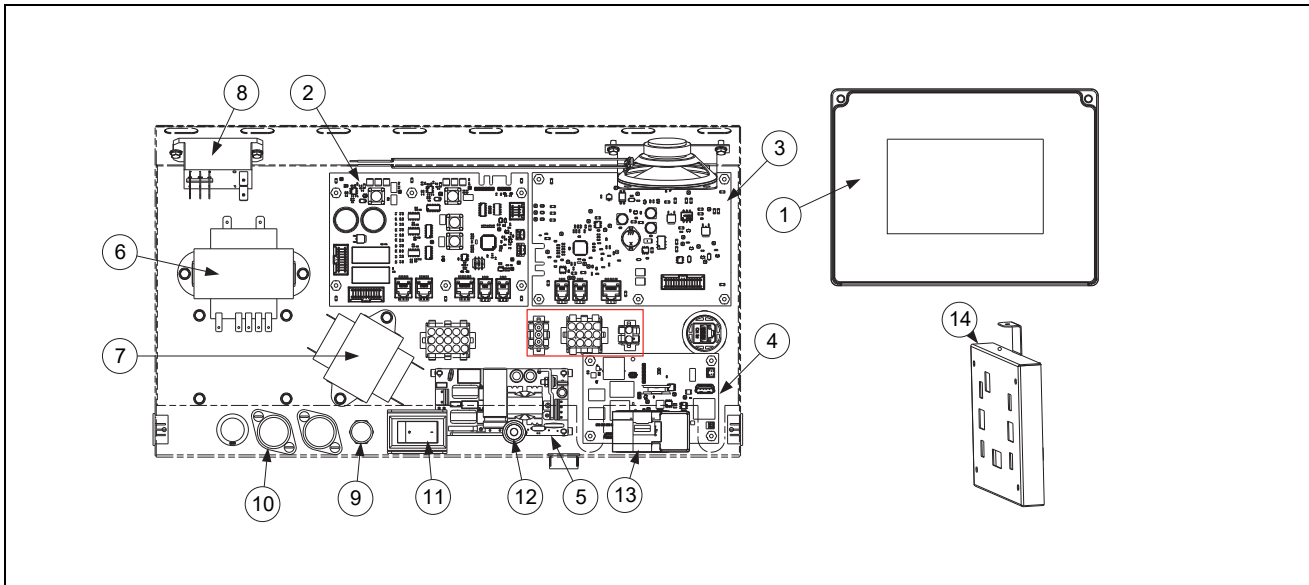
Where Used:

- Speedway, Convenience Stores

Common Model Numbers:

1FQE60, 2FQE60, 3FQE60

FQE60T



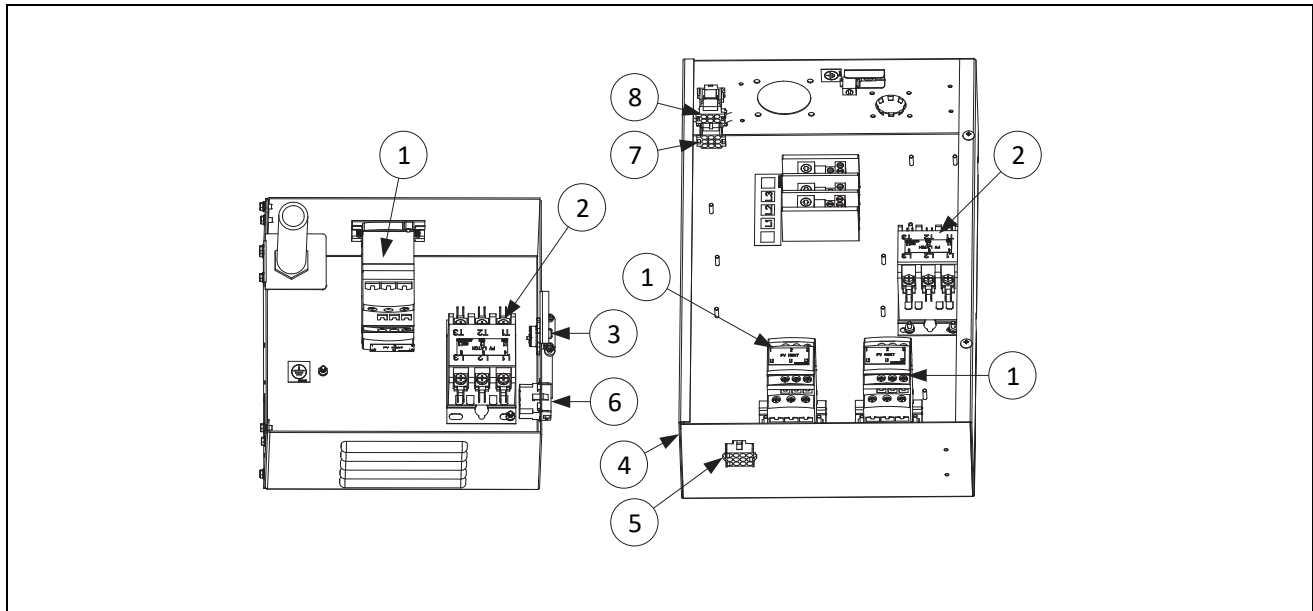
Component Boxes and Associated Components

ITEM	PART #	COMPONENT
1	Controller Section	CONTROLLER SECTION
*	8105076	SEE LANYARDS SECTION
2	Board Section	SMART INTERFACE BOARD
3	Board Section	FILTER INTERFACE BOARD
4	Board Section	KCCM/SUI BOARD
5	Pwr Section	24VDC POWER SUPPLY
6	8075362	TRANSFORMER, 115-240V 80VA 24VAC (SIB)
7	8070680	TRANSFORMER, 208/240/24V, 50/60HZ, 20VA (208/240V) (BULK FRESH OIL SOLENOID ONLY)
	8070800	TRANSFORMER 120 50/60-24V 50VA FOR (120V) (BULK FRESH OIL SOLENOID ONLY)
8	8074482	RELAY, DPDT 30A 24VDC (FILTER PUMP)
9	8075570	FUSE 3.5A 250V
10	8072278	FUSE, 20 AMP
11	8074036	SWITCH, TIG SERIES
12	8074678	SWITCH, MOMENTARY (TOPOFF OIL RESET BUTTON)
13	8074989	BEZEL, USB PORT (KCCM USB)
14	Board Section	VALVE INTERFACE BOARD
*	Cable Section	CABLE SECTION
*	Terminator Section	TERMINATOR

* Not illustrated.

FQE60T

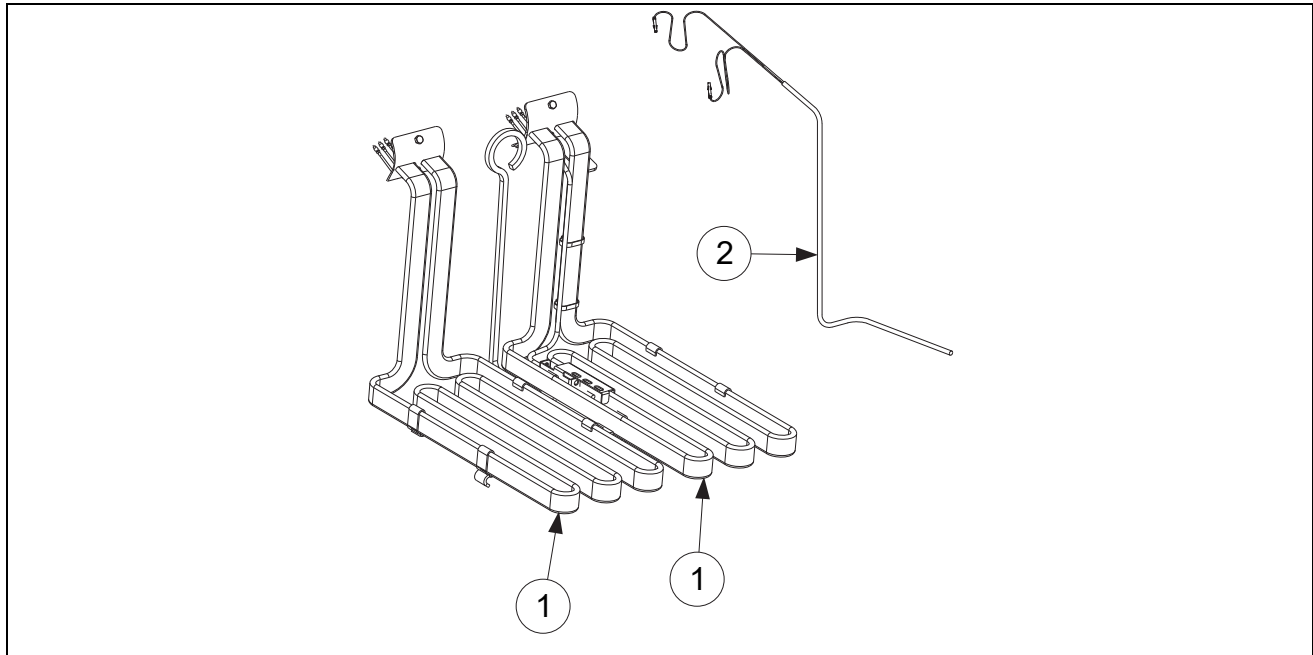
Contactor Boxes



ITEM	PART #	COMPONENT
1	8076169	CONTACTOR, 24V COIL 50 AMP MECHANICAL (HEAT)
2	8101202	CONTACTOR, 24V 40 AMP MECHANICAL (LATCH)

* Not illustrated.

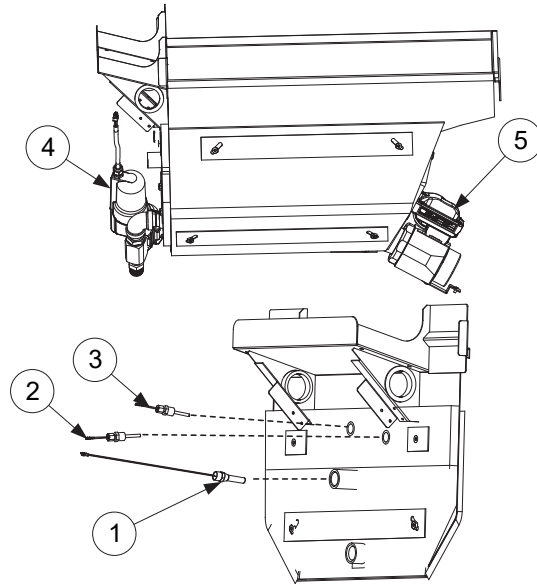
Element Assemblies and Hardware



ITEM	PART #	COMPONENT
1		ELEMENT KITS – INCLUDES GASKETS, GROMMETS, TIE WRAPS, SCREWS AND NUTS.
	8262557	208V 8.5 KW
	8262707	230V 8.5 KW
	8262558	240V 8.5KW
	8263020	480V 8.5KW
2	Probe Section	PROBE

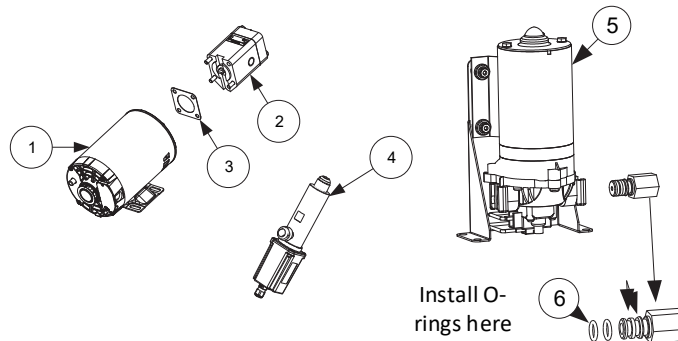
FQE60T

Frypot Components



ITEM	PART #	COMPONENT
1		THERMOSTAT ASSEMBLY, HIGH-LIMIT LONG STANDARD
2,3	8262454	NON-CE FULL VAT 425°F (218°C) (17KW FV AND 14KW FV) (COLOR CODED BLACK 8067543)
4, 5	Actuator Section	SEE PROBE SECTION ROTARY ACTUATORS

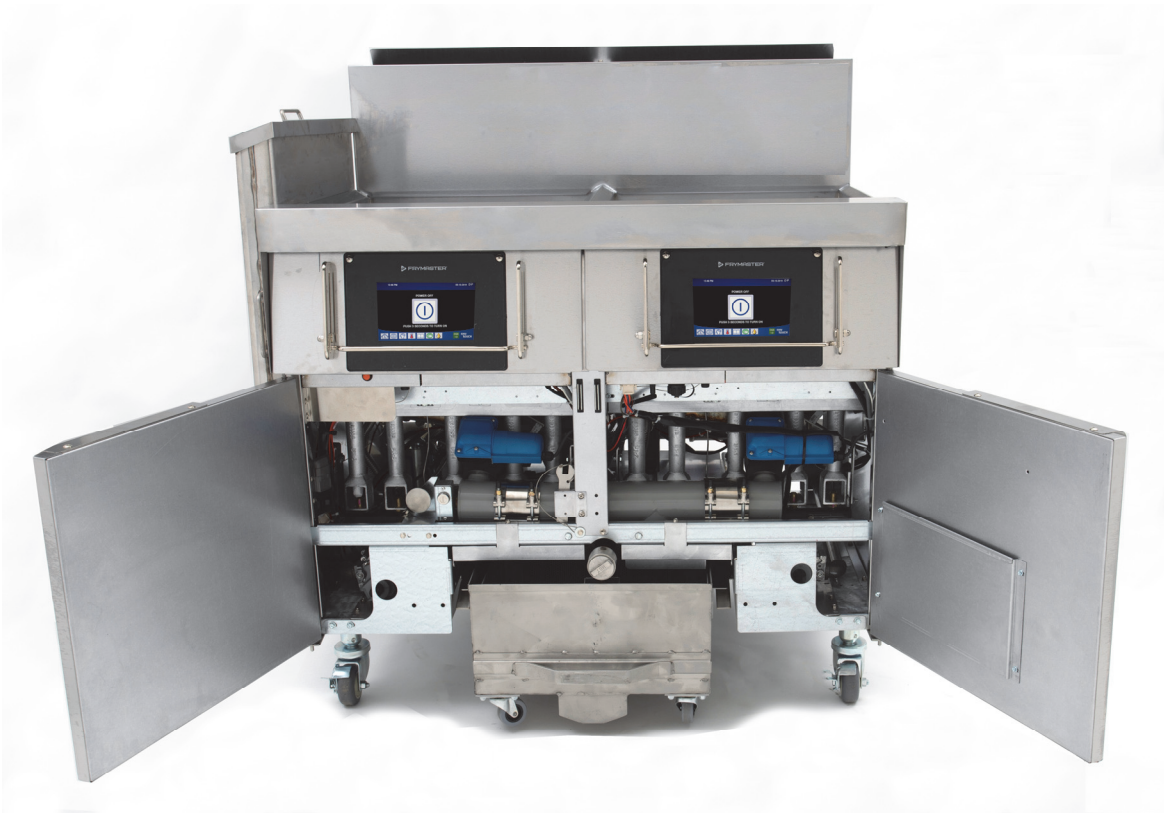
Filter Pump, Top Off Pump, Oil Sensor and Accessories



ITEM	PART #	COMPONENT
1	Pump Section	FILTER PUMP
3	8160093	GASKET, PUMP/MOTOR
4	8263292	SENSOR, FILTERQUICK OQS REPLACEMENT
5	Pump Section	TOP OFF PUMP SEE PUMP SECTION
6	8160782	TOP OFF PUMP O-RINGS

FQG60T

Model: FQG60T



Unique Physical Characteristics:

Large capacity, auto filtration and top off.

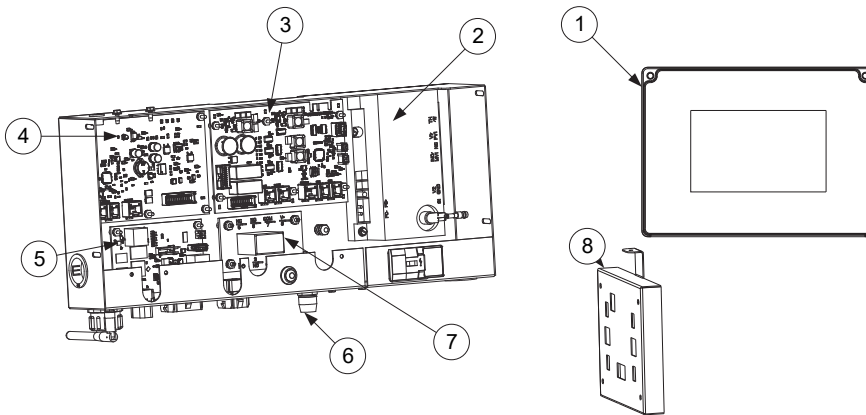
Where Used:

High volume or bone-in chicken restaurants.

Common Model Numbers:

1FQG60T, 2FQG60T, 3FQG60T

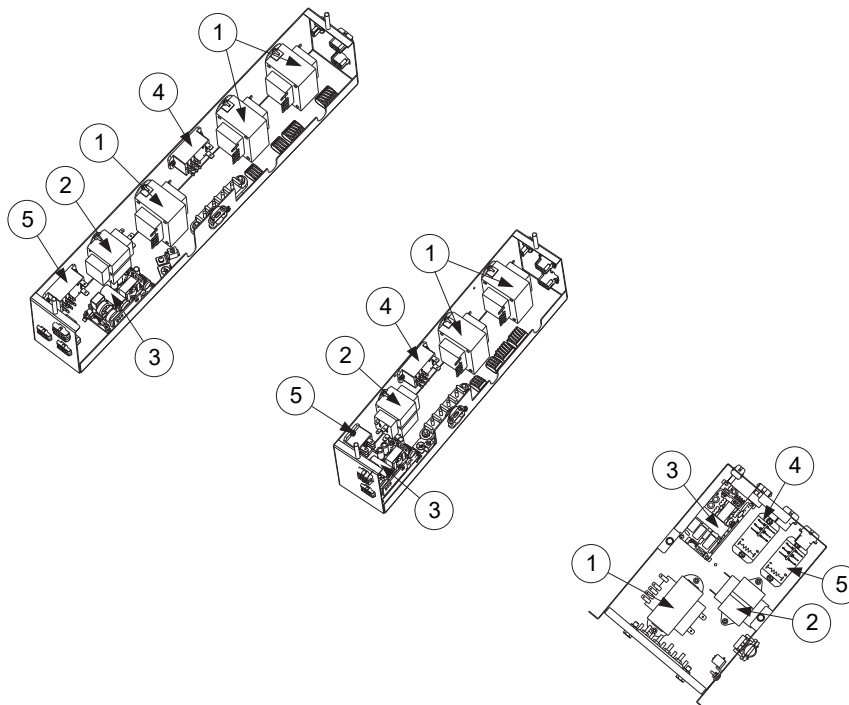
Component Boxes and Associated Components



ITEM	PART #	COMPONENT
1	Control Section	Controller
2	8075991	Module, Ignition Fenwal STP W/ Alarm
3	Board Section	Smart Interface Board
4	Board Section	Filter Interface Board See Board Section
5	Board Section	KCCM/SUI Board
6	8075570	Fuse 3.5A 250v
7	Board Section	Time Delay Board 3.5 Seconds
8	Board Section	Valve Interface Board (Under Frypot)
*	Cable Section	Cable
*	Terminator Section	Terminator Section

* Not illustrated.

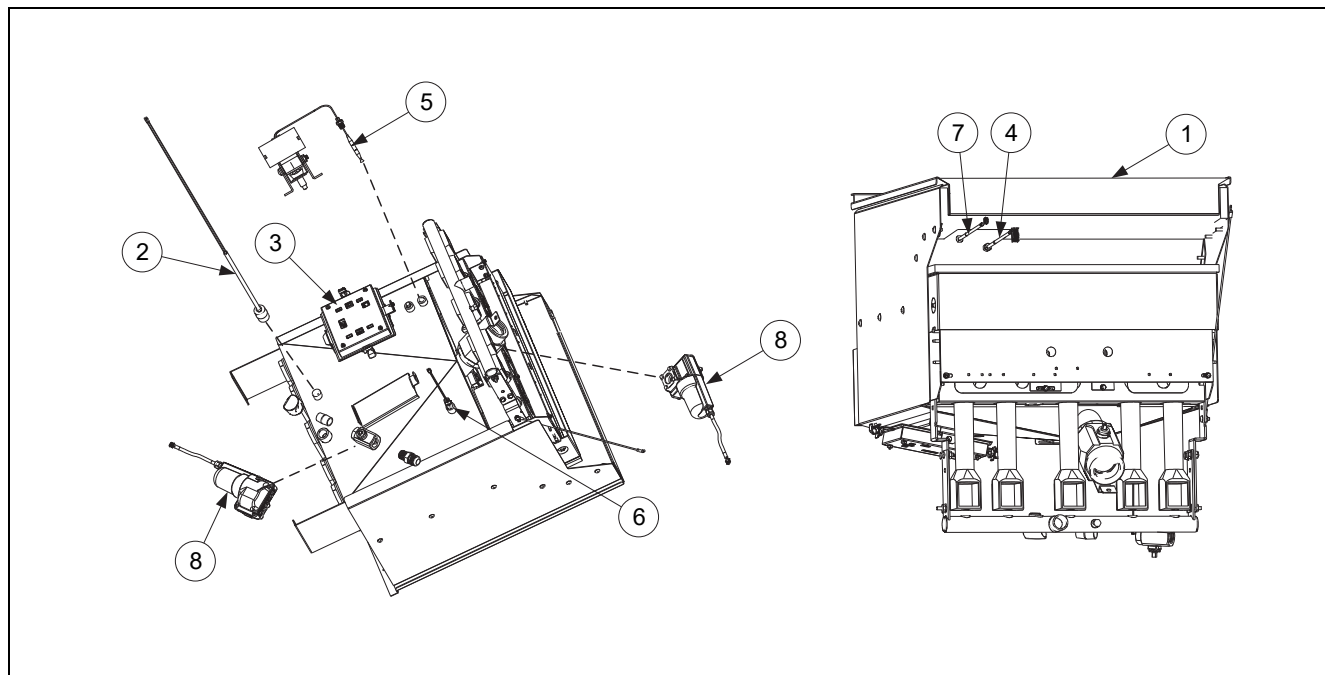
Transformer Boxes



FQG60T

ITEM	PART #	COMPONENT
1	8075362	Transformer, 115-240v 80va 24VAC
2	8070800	Transformer, 120v/24v 50va Filter
3	PWR SECTION	24VDC Power Supply
4	8075802	Relay, DPDT 30a 120VAC (Control Power Reset Button)
5	8074482	Relay, DPDT 30a 24VDC (Filter Pump)

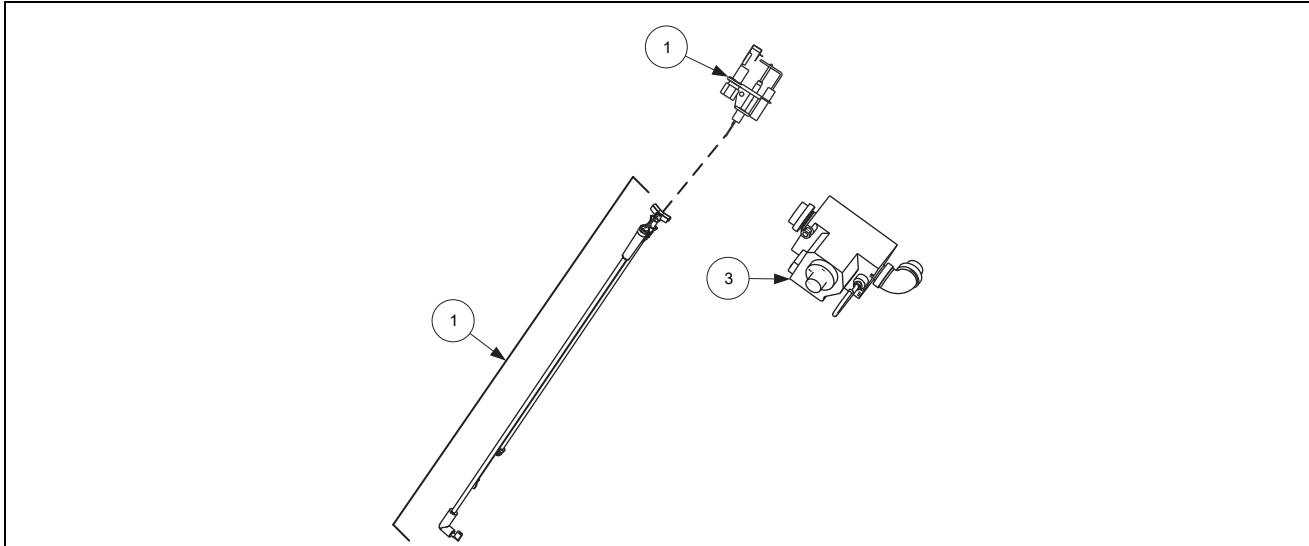
Frypot Assemblies



ITEM	PART #	COMPONENT
1	1087162sp	Frypot Assembly (1FQG60T)
	1087446sp	Frypot Assembly (2FQG60T, 3FQG60T)
2	8263643	SWITCH ASSY, FLOAT
3	1087514sp	Valve Interface Board Assembly
4	Probe Section	Probe, VIB (Auto Filtration) RTD Kit (<i>Attaches To Harness 8076434</i>)
5	8073680	Hi-Limit, 450f W/Manual Reset
6	Probe Section	Temperature Probe
7	Probe Section	Automatic Top Off Probe
8	Actuator Section	Valve Actuator (Blue)

FQG60T

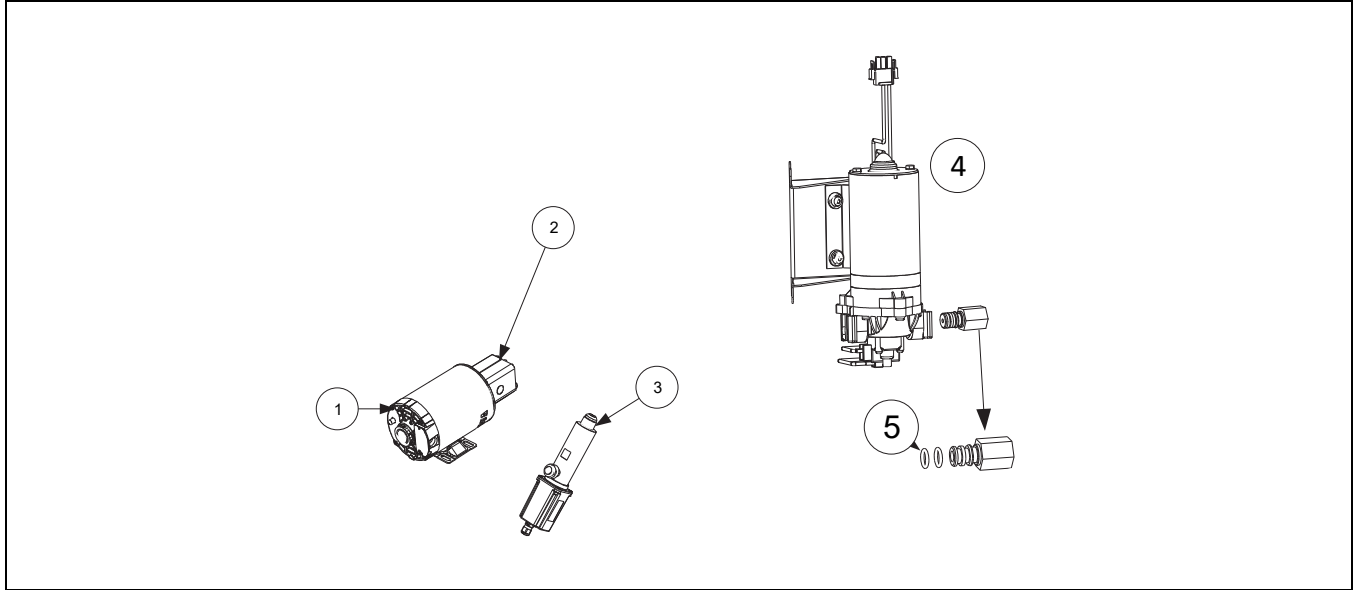
Gas Supply and Combustion System Components



ITEM	PART #	COMPONENT
√ 1		Pilot Assemblies
	1086951SP	Natural Gas (G20, G25) Electronic Ignition Includes Ignition Cable Non-Ce
	1061128SP	Propane (LP) (G30, G31) Electronic Ignition Includes Ignition Cable Non-Ce
*	1067535SP	Cable Assy, Ignition Dean
*	8074375	Connector, 90 Rajah
	8074384	Cable, Ignition Dean
*	1081650SP	Pilot Assy, NAT FP-TCF IGN (Includes Flame Sensor)
	1081651SP	Pilot Assy, LP FP-TCF IGN (Includes Flame Sensor)
*	8071310	Flame Sensor
3		Valve, Gas
	8073552	Natural Gas (G20, G25) Honeywell
	8073628	Propane Gas (LP) (G30, G31)
		Gas Conversion Kits
	8262937	Conversion Kit, Valve, Natural (G20, G25) To Propane (Lp) (G30, G31)
	8262938	Conversion Kit, Valve, Propane (Lp) (G30, G31) To Natural (G20, G25)

FQG60T

Filter Pump and Accessories



ITEM	PART #	COMPONENT
1,2		Motor And Gasket Kit
	Pump Section	See Pump Section
3	8263292	Sensor, Filterquick OQS Replacement
4	Pump Section	Top Off Pump
5	8160782	O-Rings, Viton #11

FQE80

Models: FQE80



The FilterQuick FQE80, currently available as a single, with basket lifts.

Unique Physical characteristics:

Large frypot with retractable elements on recessed rotating mount, advanced touchscreen controller, built-in filtration, oil quality sensor, and front discharge oil hose.

Where Used:

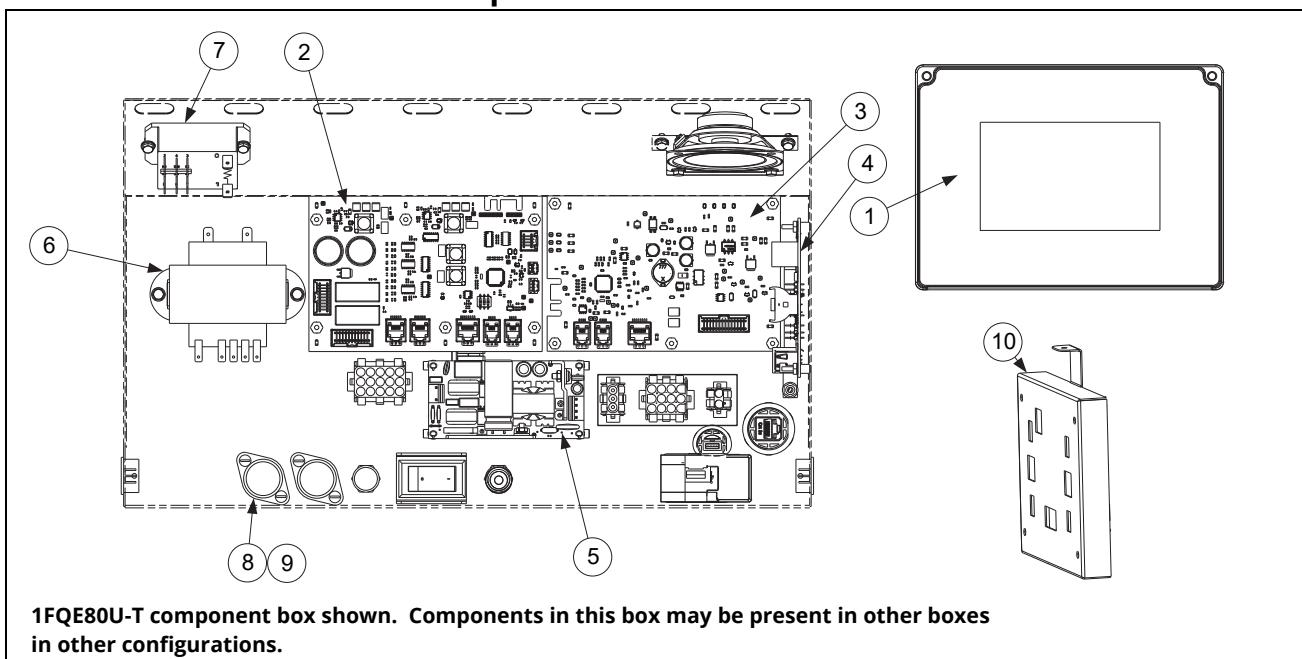
Convenience stores with fried food menus such as 7/11.

Common Model Number:

1FQE80

FQE80

Electronics and Electrical Components

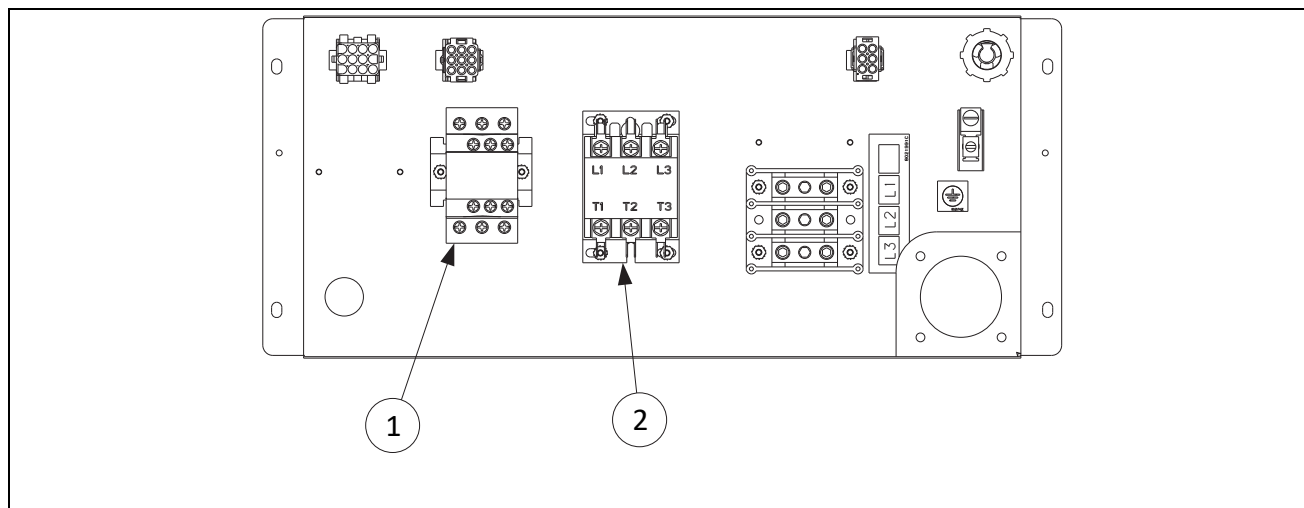


ITEM	PART #	COMPONENT
1	Control Section	Controller Section
2	Board Section	Smart Interface Board
3	Board Section	Filter Interface Board
*	Control Section	See Lanyards In Control Section
4	Board Section	Kccm/Sui Board
5	Pwr Section	24vdc Power Supply
6	8075362	Transformer, 115-240v 80va 24vac (Sib)
7	8074482	Relay, Dpdt 30a 24vdc (Filter Pump)
8	8075570	Fuse 3.5a 250v
9	8072278	Fuse, 20 Amp
10	Board Section	Valve Interface Board (Under Frypot)
*	Terminator Section	Can Terminators

* Not illustrated.

FQE80

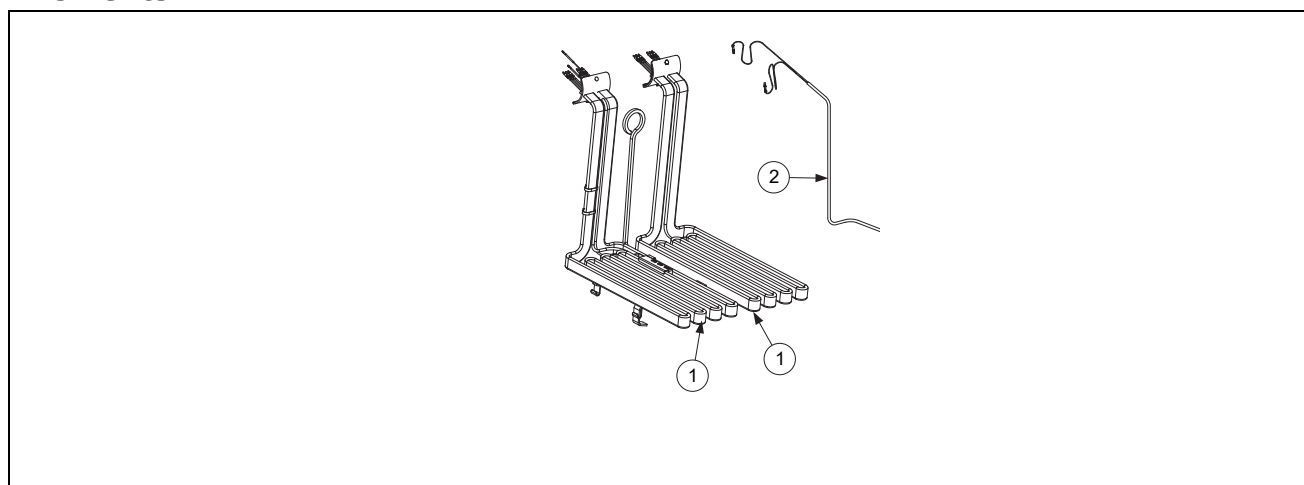
Contactor Box Boxes



ITEM	PART #	COMPONENT
✓ 1	8076169	Contactor, 24v Coil 50 Amp Mechanical (Heat)
✓ 2	8101202	Contactor, 24v 40 Amp Mechanical (Latch)

* Not illustrated.

Elements

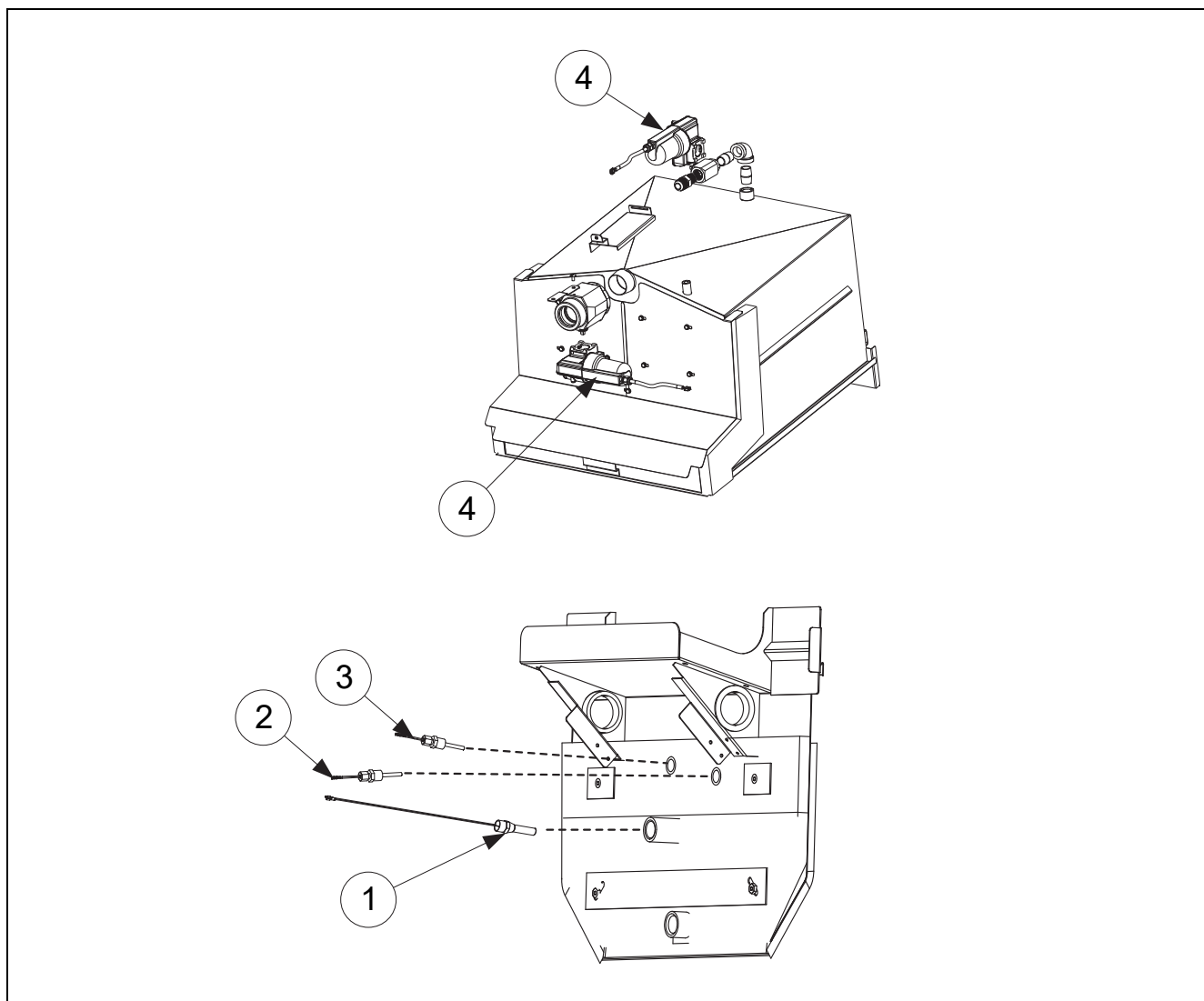


ITEM	PART #	COMPONENT
1		Element Kits – Includes Gaskets, Grommets, Tie Wraps, Screws And Nuts.
	8262557	208v 8.5 Kw
	8262707	230v 8.5 Kw
	8262558	240v 8.5kw
	8263020	480v 8.5kw
2	Probe Section	Probe, Temperature Fqe80 – Includes Tie Wraps And Grommet.
*	8262598	Kit, Tilt Switch
*	8074742	Switch, Long Lever High Temp

*Not illustrated

FQE80

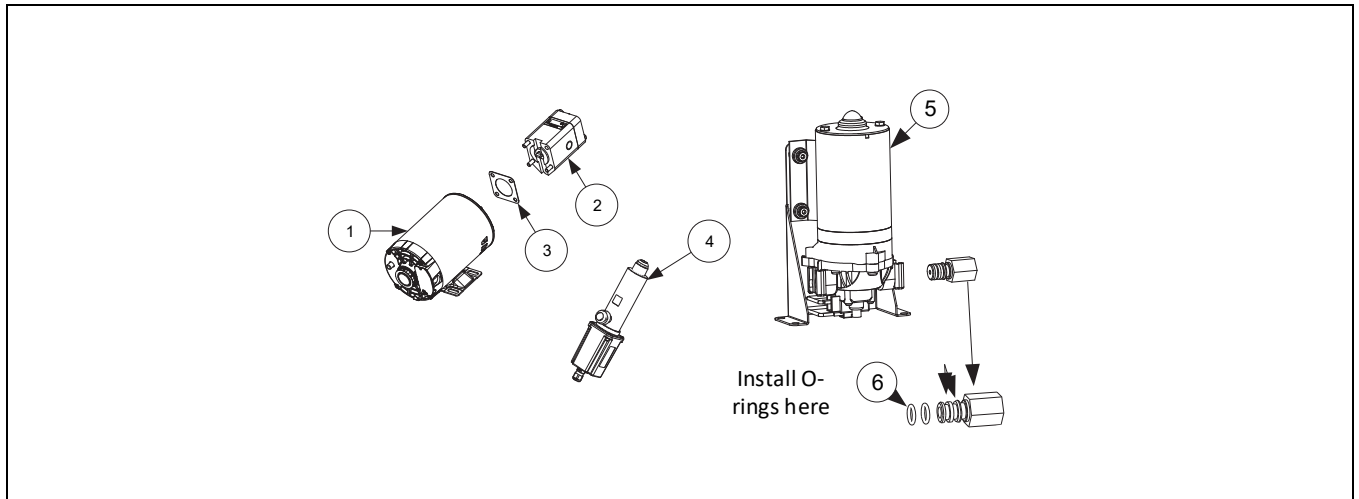
Frypot Components



ITEM	PART #	COMPONENT
1	8262454	Thermostat Assembly, High-Limit Long Standard Full Vat 425°F (218°C) (17kw FV And 14kw FV) (Color Coded Black 8067543)
2	Probe Section	Automatic Top Off Probe
3	Probe Section	Valve Interface Board Probe
4	Actuator Section	Actuator (Black)

FQE80

Filter Pump, Top Off Pump, Oil Sensor and Accessories



ITEM	PART #	COMPONENT
1	Pump Section	FILTER PUMP
3	8160093	GASKET, PUMP/MOTOR
4	8263292	SENSOR, FILTERQUICK OQS REPLACEMENT
5	Pump Section	TOP OFF PUMP
6	8160782	TOP OFF PUMP O-RINGS

BIELA-T

Models: BIELAT



This is an update of the familiar McDonald's LOV fryer. It has an advanced touchscreen controller and new circuit boards.

Unique Physical Characteristics:

- Touchscreen controller, new interface board. MIB board is removed.

Where Used:

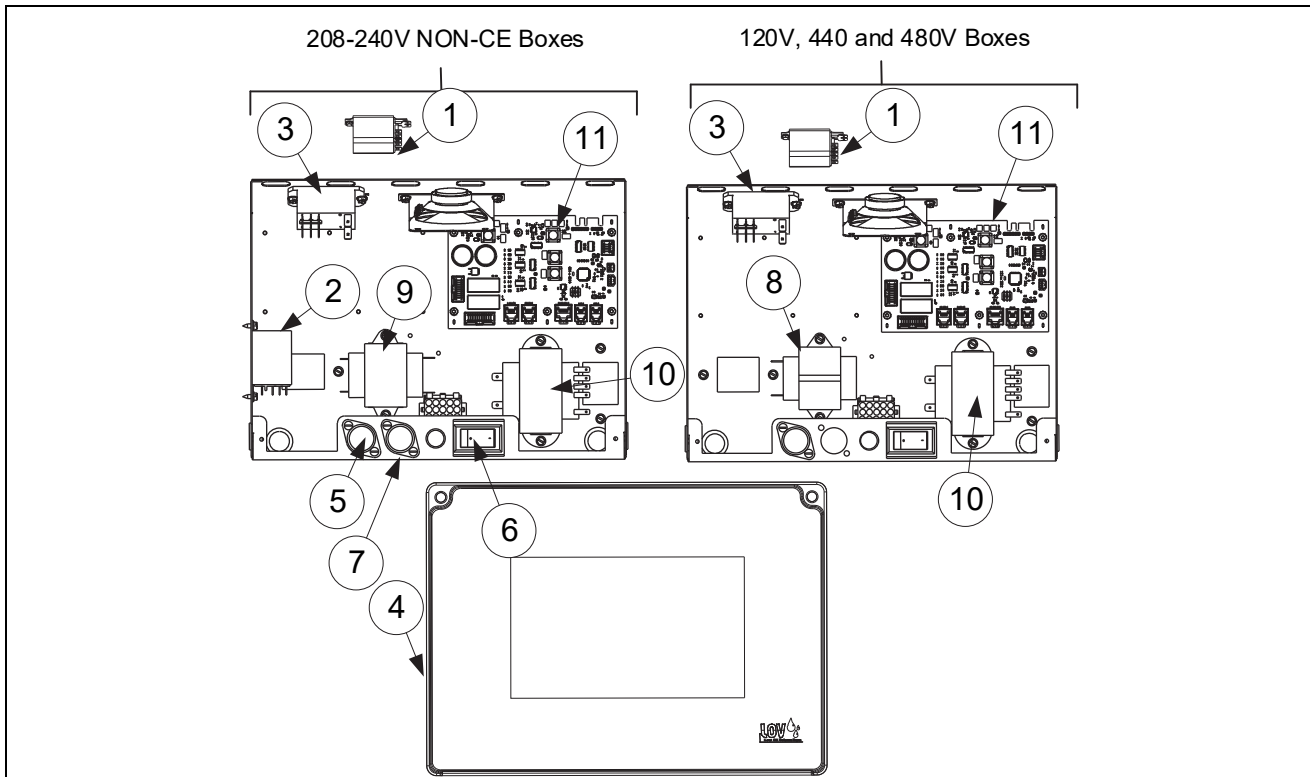
- McDonald's

Common Model Numbers:

- BIELA214T, BIELA314T, BIELA314T

BIELA-T

Component Boxes



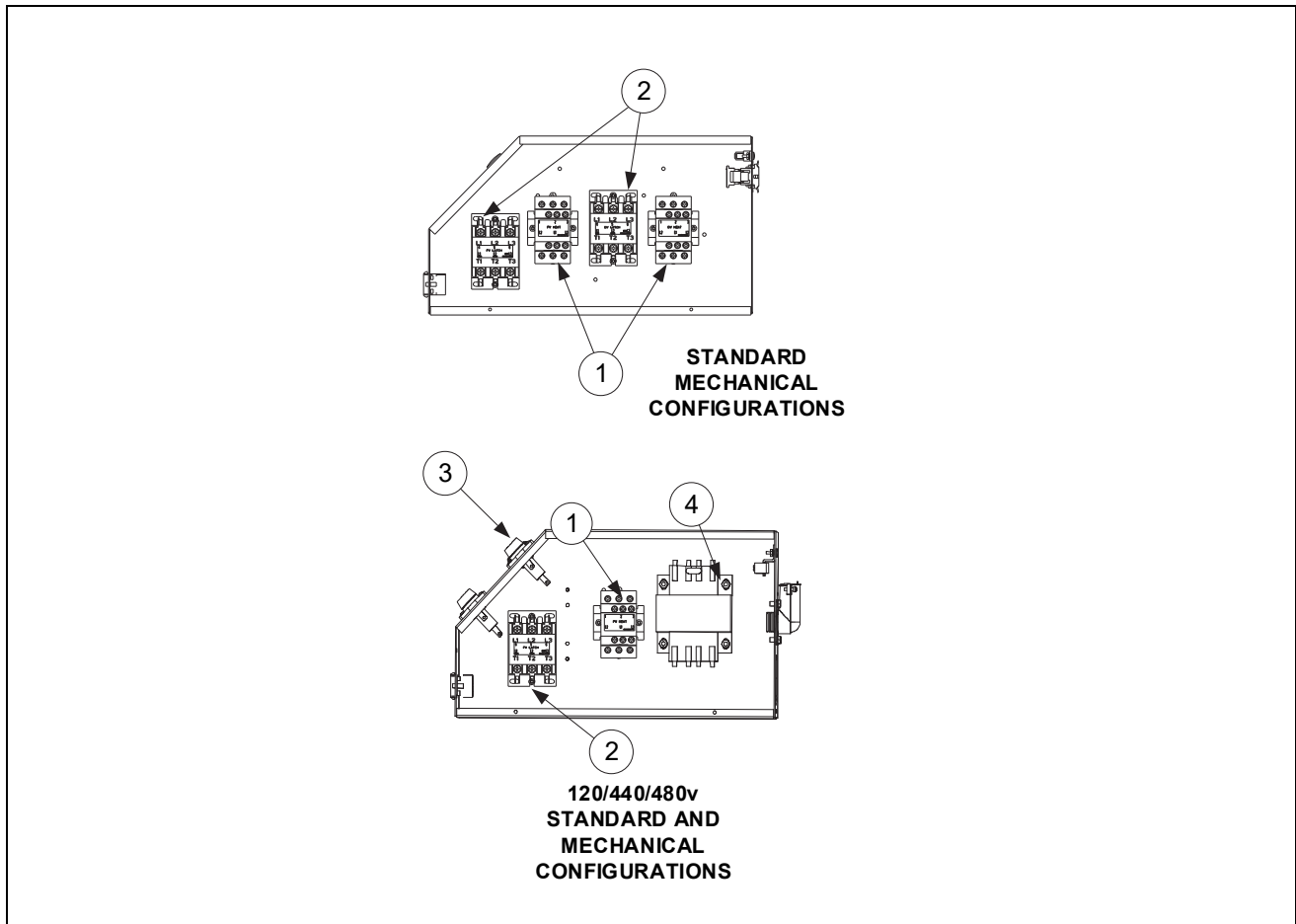
ITEM	PART #	COMPONENT
1	8074346	Relay, DPDT 20A 120V (<i>used for control power reset in right hand boxes</i>)
2	8074346	Relay, 120V DPDT 20A (<i>used in Canadian models only</i>)
3	8074482	Relay, Filter 2 Pole 30A DPDT 24VDC
4	Control Section	Controller, Lanyard
5	8072278	Fuse, 20 Amp
6	8074036	Switch, Power
7	8075570	Fuse, 3.5 AMP 250V Fast Acting
8	8070800	Transformer, 100-120V/24V 50VA Filter
9	8070680	Transformer, 208/240V/24V 43VA Filter (Non-CE)
10	8075362	Transformer, 115-240V/24V 80VA
11	Board Section	Board, Interface SIB (Smart Interface Board)
*	8074678	Switch, Momentary JIB Reset (<i>resets ATO; located above JIB/BIB</i>)
*	8072659	Switch, Momentary (<i>resets control power; located below left component box</i>)
*	Cable Section	Cable
*	Terminator Section	Terminator

* Not illustrated.

✓ Recommended parts.

BIELA-T

Contactor Boxes

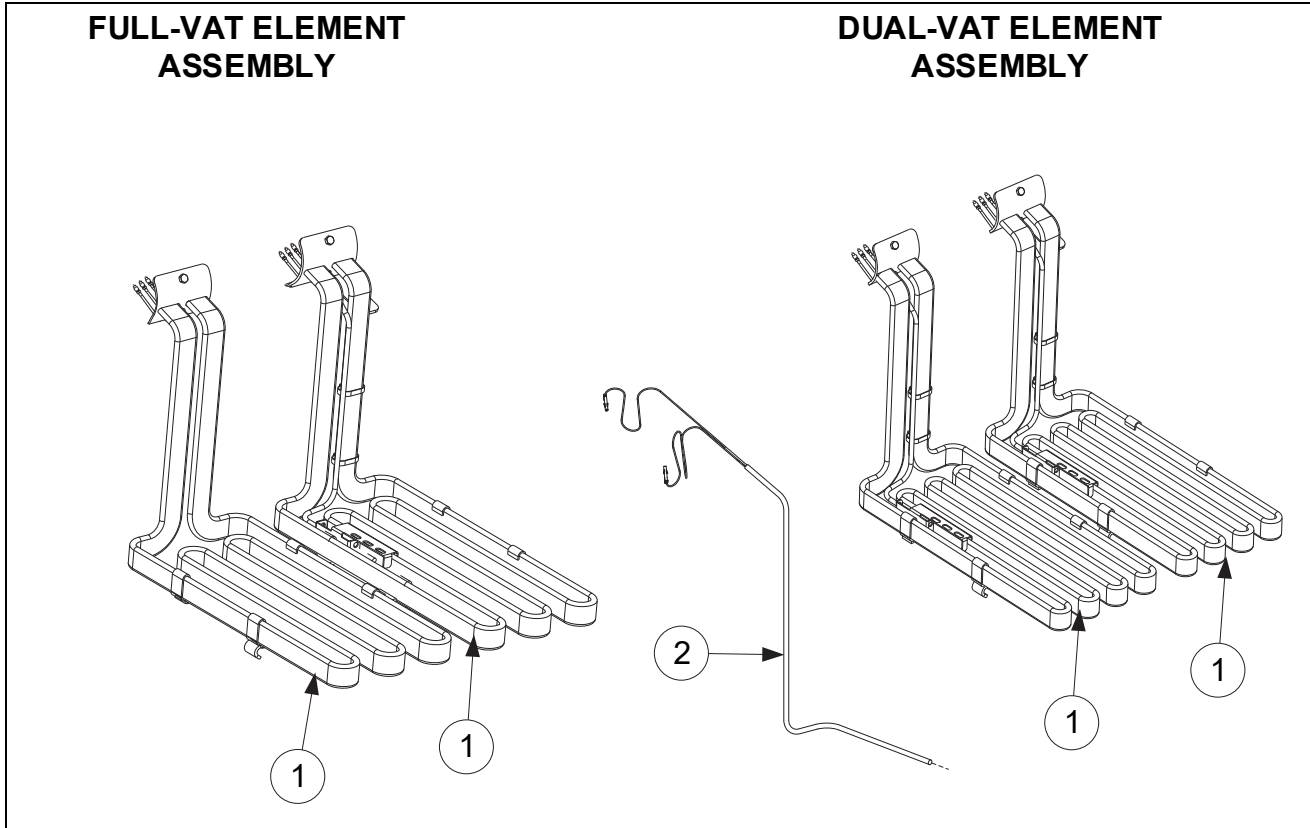


ITEM	PART #	COMPONENT
1	8263417	Contactor, 24V 50 Amp TESS LC1D32B7 (Heat)
2	8101202	Contactor, 24V 40 Amp (Latch)
3	8071683	Relay, Hood 12VDC
*	8072278	Fuse, 20 Amp
4	8070064	Transformer, 480V/120V 150VA
*	8070012	Relay, Tilt Switch 18 Amp 1/3 HP 24 V Coil

* Not illustrated.

BIELA-T

Heating Element Assemblies

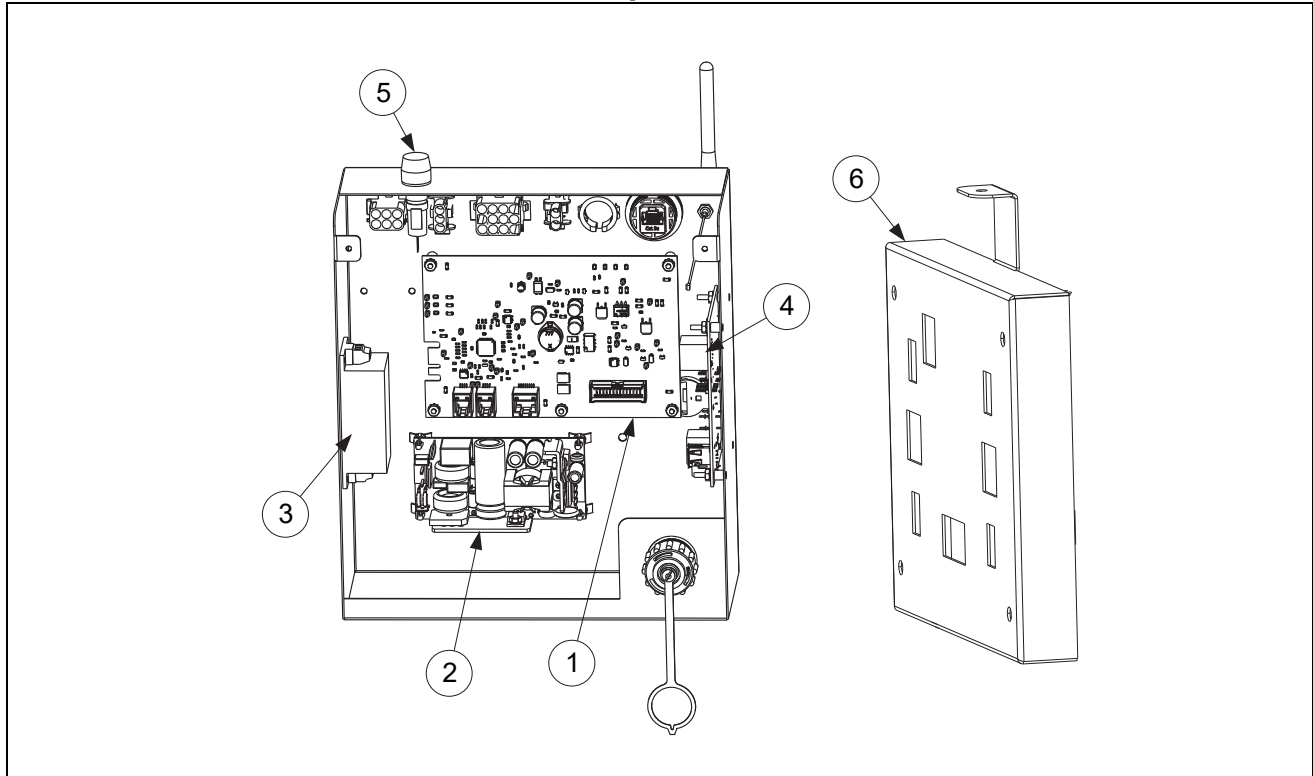


ITEM	PART #	COMPONENT
1		Element
	8262198	200V 7.0 kW (220V 8.5kW used in some export 3-phase 4-wire WYE units)
	8262192	208V 7.0 kW
	8262200	220V 7.0 kW (240V 8.5kW used in some export 3-phase 4-wire WYE units)
	8262193	230V 7.0 kW
	8262199	230V 8.5 kW
	8262194	240V 7.0 kW
	8262196	480V 7.0 kW
2	Probe Section	Temp Probe
*	8262598	Kit, Tilt Switch
*	8074742	Switch, Long Lever High Temp

* Not illustrated.

BIELA-T

Filtration Interface Board Filter and Top Off Box, Valve Interface Board

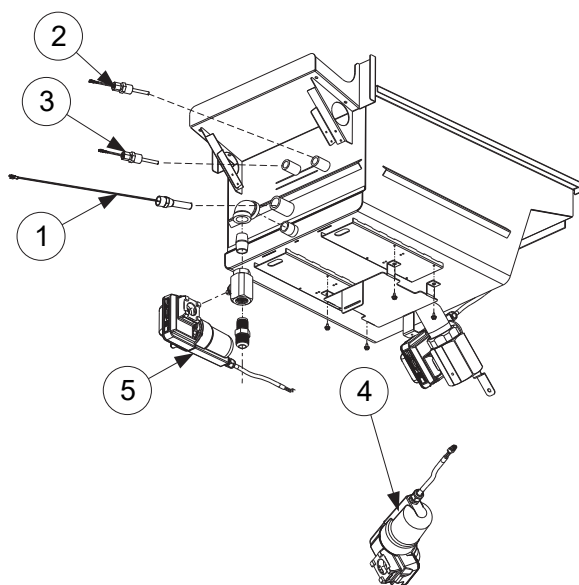


ITEM	PART #	COMPONENT
1	Board Section	Smart interface Board
2	PWR Section	Power Supply, 24VDC 130W ATO, Actuators, Filter Pump, Top Off Pump
3	PWR Section	Power Supply, 24VDC, 15W for KCCM SUI board
4	Board Section	KCCM/SUI
5	8075570	Fuse, 250VAC 3.5A Fast Acting
6	Board Section	Valve Interface Board
*	Terminal Section	Terminator
*	Cable Section	Cable

* Not illustrated

BIELA-T

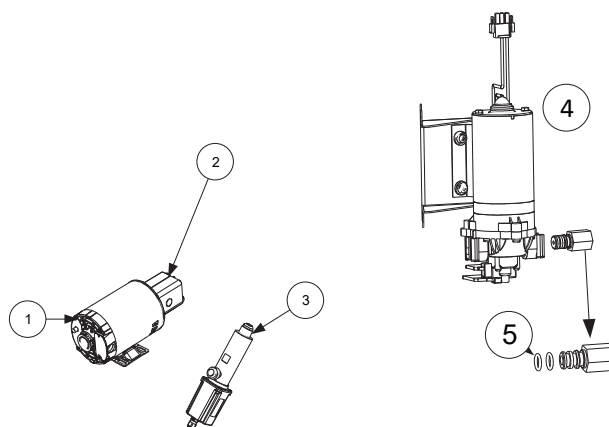
Frypot Associated Parts



ITEM	PART #	COMPONENT
✓ 1		Thermostat Assembly, High-Limit Long Standard
	8262454	Non-CE Full Vat 425°F (218°C) (17kW FV and 14kW FV) (Color Coded Black 8067543)
	8262456	Non-CE Dual Vat 435°F (224°C) (22kW, 17kW DV and 14 kW DV) (Color Coded Red 8068035)
✓ 2	Probe Section	Probe, VIB (Auto Filtration) RTD Kit
✓ 3	Probe Section	Probe, ATO (Topoff) RTD Kit
✓ 4	Actuator Section	Rotary Actuator (BLUE)
✓ 5	Actuator Section	Rotary Actuator (BLACK)

✓ Recommended parts.

Filter Pump and Accessories



ITEM	PART #	COMPONENT
1,2		Motor And Gasket Kit
	Pump Section	See Pump Section
3	8263292	Sensor, Filterquick OQS Replacement
4	Pump Section	Top Off Pump
5	8160782	O-Rings, Viton #11

BIGLA30T

Models: BIGLA30T



The BIGLA30T introduces an advanced touchscreen controller and new circuit boards to the 30-pound McDonald's LOV platform.

Unique Physical Characteristics:

- Touchscreen controller, new circuit boards and removal of the MIB.

Where Used:

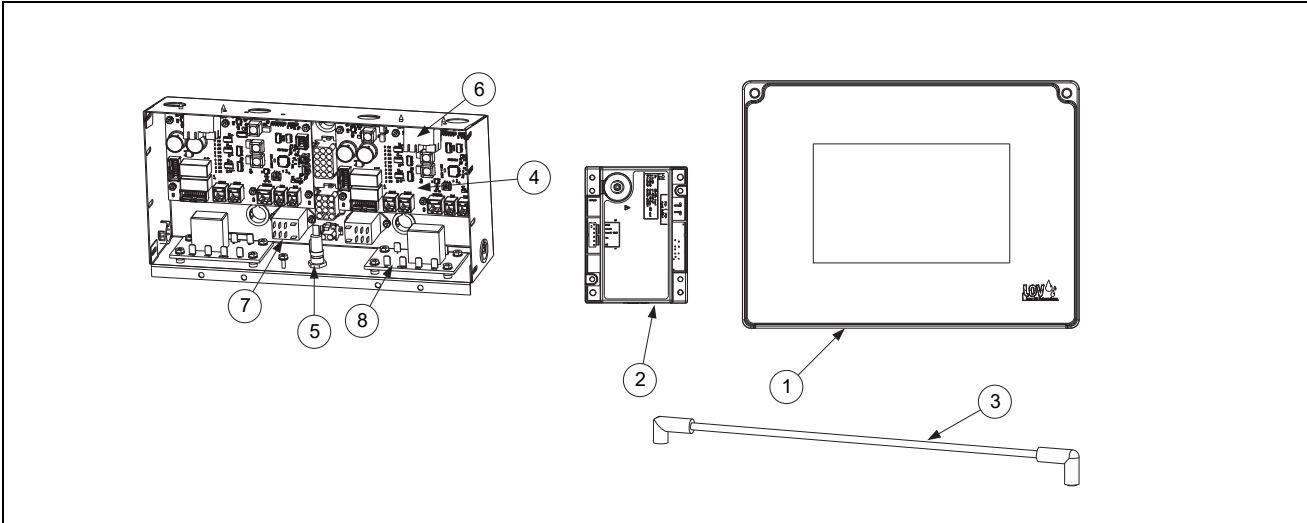
McDonald's

Common Model Numbers:

BIGLA230T, BIGLA330T, BIGLA430T

BIGLA30T

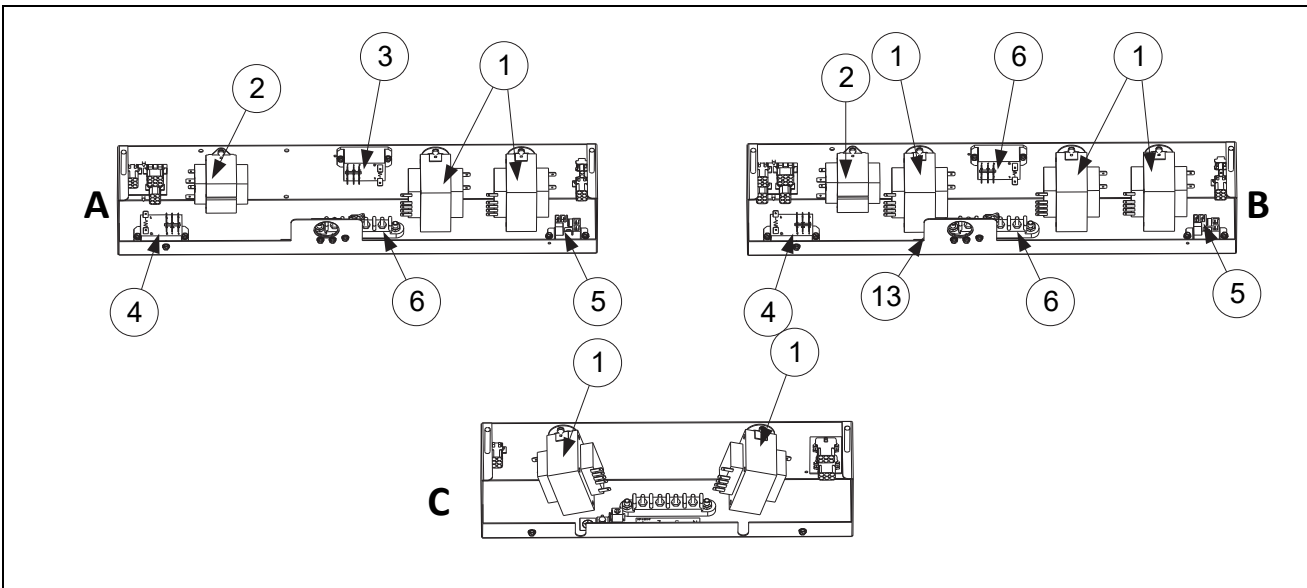
Component Boxes and Associated Components



ITEM	PART #	
1	Controller Section	Controller
2	8075949	Module, Ignition Single Spark Fenwal
3	Cable Section	Ignition Cable
4	Board Section	Smart Interface Board
5	8075570	Fuse 3.5A 250V
6	8071683	Relay, Blower 12VDC
	8074812	Relay Board, 7-second Time Delay 120V (<i>U.S., Canadian and Mexico units</i>)
7	8075623	Relay, 24VDC SPDT OIB (Oil Is Back) Sensor
*	8104320	Lanyard, Controller Restraint
8	Board Section	Time Delay Board, 3.5 Seconds
	*	Cable
	*	Terminal

* Not illustrated.

Transformer Boxes

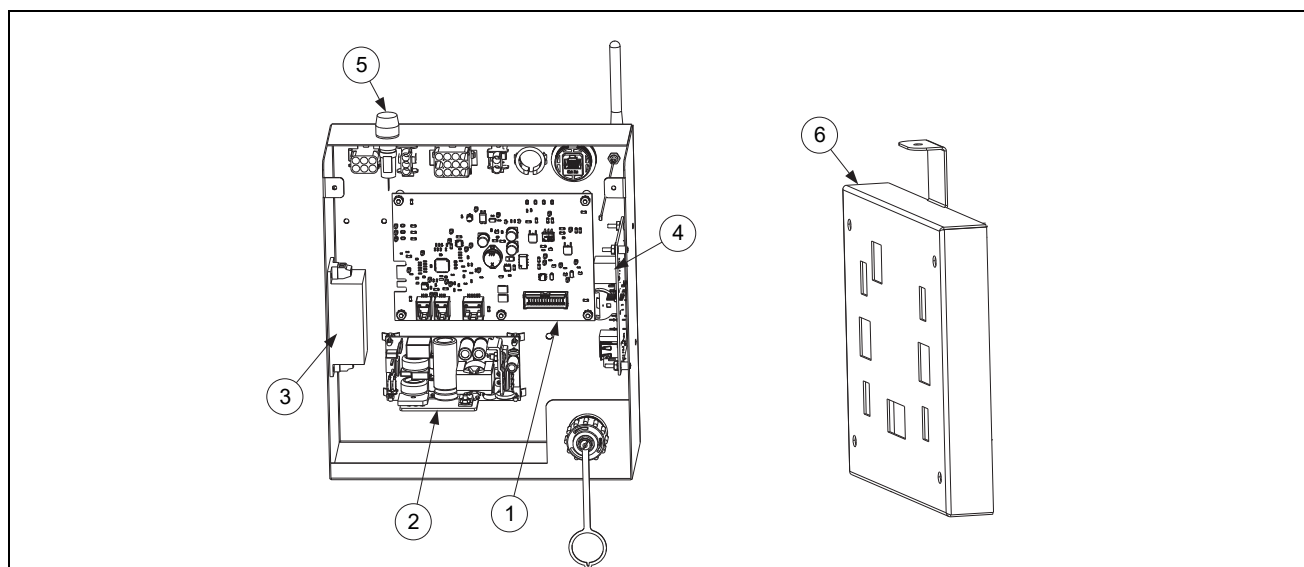


BIGLA30T

ITEM	PART #	COMPONENT
1	8075362	Transformer, 115-240V 80VA 24VAC
2	8070800	Transformer, 120V/24V 50VA Filter
*	8072180	Transformer, 120V/24V 50VA Filter
*	8071022	Transformer, 220/240V 75VA
3	8075802	Relay, DPDT 30A 120VAC (Control Reset Button) <i>(control power reset in domestic units)</i>
4	8074482	Relay, Filter Pump 30A 24VDC DPDT
5	8071683	Relay, Hood 12V DC
6	8076428	Filter, 250V 16A EMI Power Line

* Not illustrated

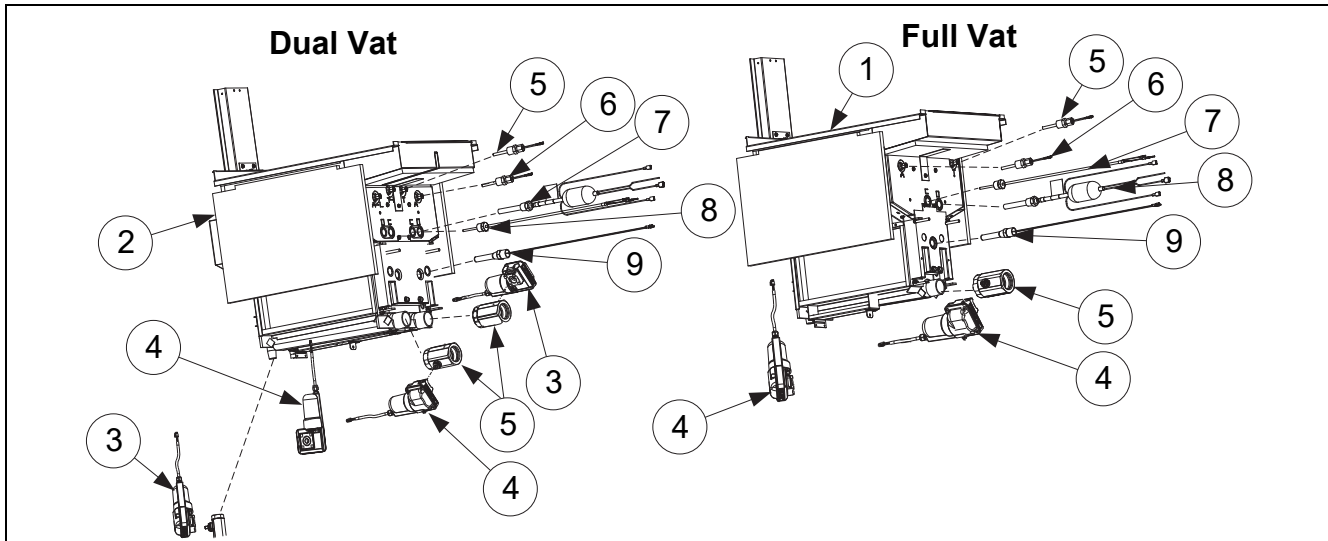
FIB (Filter Interface Board) Auto Top Off / Filter Box Components



ITEM	PART #	COMPONENT
1	Board Section	Board, FIB w/ Software
2	PWR Section	Power Supply, 24VDC 130W ATO, Actuators, Filter Pump, Top Off Pump
3	PWR Section	Power Supply, 24VDC, 15W for KCCM SUI board
4	Board Section	PCB, Assy JLOV KCCM/SUI
5	8075570	Fuse, 250VAC 3.5A Fast Acting
6	Board Section	Valve Interface Board

BIGLA30T

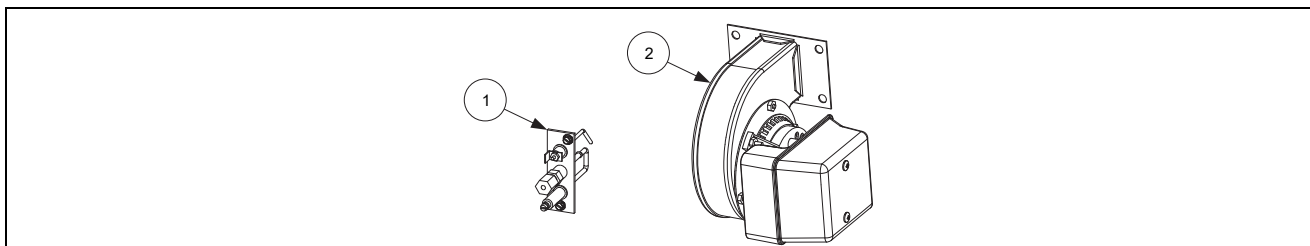
Frypot Assemblies and Associated Parts



ITEM	PART #	COMPONENT
1	1081752SP	Frypot Assembly, Full-Vat Natural/Propane
2	1081753SP	Frypot Assembly, Dual-Vat Natural/Propane
*	8103435	Burner, Universal Replacement LOV™
*	8160900	Insulation, Burner
*	8120706	Insulation, Upper Burner Rail
3	Actuator Section	Actuator (#1) Blue
4	Actuator Section	Actuator (#2) Black
5	Probe Section	Auto Top Off Sensor
6	Probe Section	Valve Interface Board
7	Probe Section	Temperature Probe
8	8076384	Sensor Assy, Oil 120V
9	8261177	Thermostat Assembly, HE High-Limit 425°F/218°C Kit

* Not illustrated.

Gas Supply and Combustion System Components



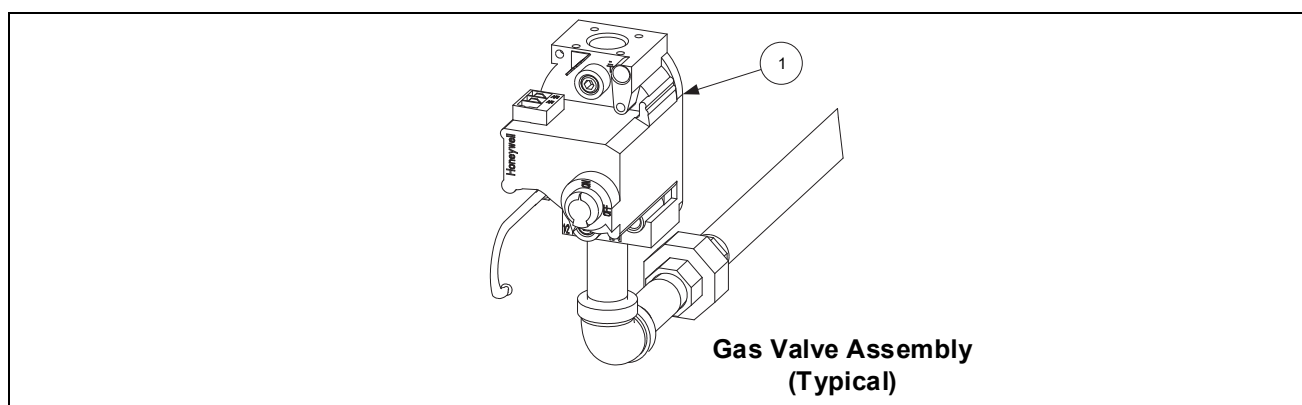
ITEM	PART #	COMPONENT
√ 1		Ignitor
	8263549	Natural Gas (G20, G25) (includes gasket 8160981, which may be ordered separately)
	8263552	Propane (G30, G31) (includes gasket 8160981, which may be ordered separately)
√ 2		Blower Assembly, Combustion Air (includes harness and Item 3)
	1087153SP	115V 50/60 Hz (Right)
	1087155SP	220V 60 Hz (Right)
*	8161049	Gasket, Plenum/Blower (used between plenum and blower)

BIGLA30T

ITEM	PART #	COMPONENT
*	8068806SP	Harness Assembly, Blower Motor (component of all blowers listed above)
		Gas Conversion Kits
*	8262965	Conversion Kit, Natural Gas FV (G20, G25) to Propane/Butane (G30, G31) Non-CE
*	8262966	Conversion Kit, Natural Gas DV (G20, G25) to Propane/Butane (G30, G31) Non-CE
*	8262967	Conversion Kit, Propane/Butane FV (G30, G31) to Natural Gas (G20, G25) Non-CE
*	8262968	Conversion Kit, Propane/Butane DV (G30, G31) to Natural Gas (G20, G25) Non-CE

* Not illustrated. ✓ Recommended parts.

Gas Valves and Associated Components

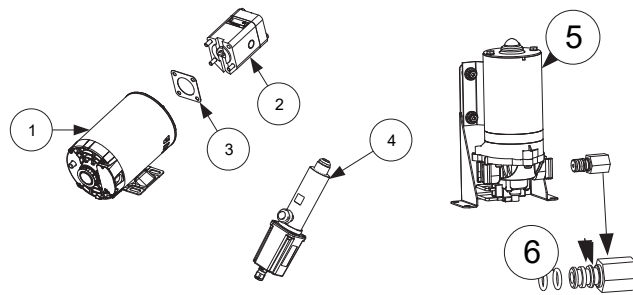


ITEM	PART #	COMPONENT
		Gas Conversion Kits
	8262969	<i>Natural to Propane (LP) Full Vat</i>
	8262970	<i>Natural to Propane (LP) Dual Vat</i>
	8262971	<i>Propane (LP) to Natural Full Vat</i>
	8262972	<i>Propane (LP) to Natural Dual Vat</i>
✓ 1		Valve Gas
	8261122	Natural Gas (G20, G25) 3.2WC
	8261123	Propane Gas (G30, G31)
	8263296	Kit Natural Gas Full Vat w/ flexlines and hardware
	8263297	Kit Natural Gas Dual Vat w/ flexlines and hardware
	8261123	Kit, Propane Gas Conversion Service (G30, G31)
	8263298	Kit, Propane Gas Full Vat w/ flexlines and hardware
	8263299	Kit, Propane Gas Dual Vat w/ flexlines and hardware

✓ Recommended parts.

BIGLA30T

Filtration System Components



ITEM	PART #	COMPONENT
1	Pump Section	Pump/Motor
4	8263292	SENSOR, FILTERQUICK OQS REPLACEMENT
*	8263288	O-Ring (8161041) (Qty. of 6)

OCF Electric and Gas

Models: OCF30G,
OCF30ATOG, OCF30E,
OCF30ATOE



OCF230ATOG



OCF230ATOE

The Oil Conserving Fryers (OCF) are an extension of the RE-series electric and the H55 gas fryers. The units feature low-volume frypots, optional automatic top off and an optional advanced computer, which displays programmed filtering prompts.

A great many of the OCF top-off components are common to the gas and electric platforms.

Unique physical characteristics:

Shallow frypots, ports for optional auto top off, onboard oil reservoir (JIB), optional advanced computer.

Where used:

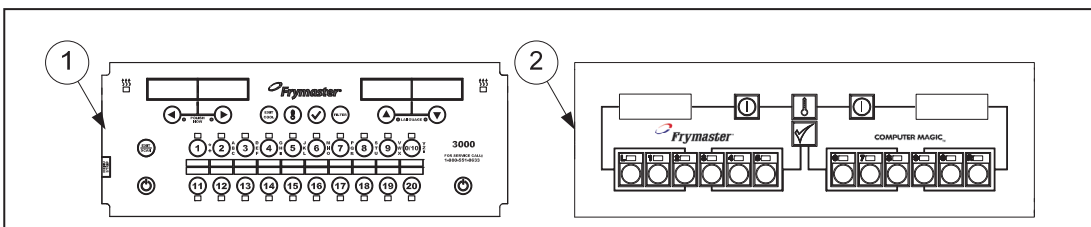
Burger King and larger fast food chain restaurants

Common Model numbers:

- **Electric** — OCF30E or OCF30ATOE
- **Gas** — OCF30G or OCF30ATOG

OCF Electric and Gas

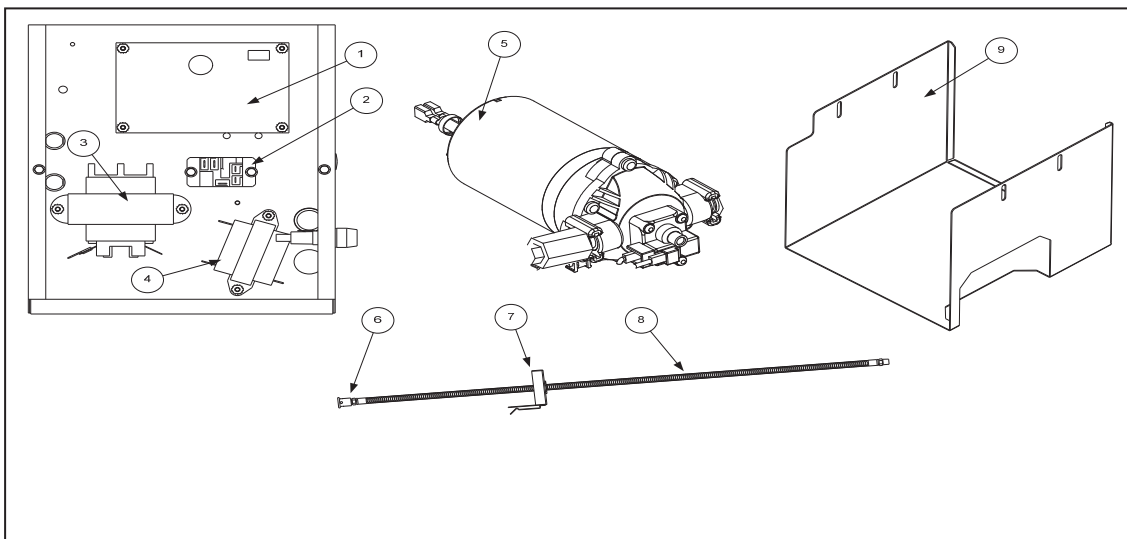
Controllers



#	Stock	Gas	Electric	Description
1		826-3107	X	3000 Controller
2		826-2380	826-2395	CM3.5 (Non-CE for use in US, Canada, Mexico)
*		807-4552	x	Communications terminator
*	✓	826-2264	826-2260	Interface board
			826-2261	Interface board, Triac
*		807-6084		Latch relay, DPDT
*	807-4546		x	Harness, Computer Comm LOV
*	807-4199		x	Cable, SMT Computer To Interface

X = same as gas

ATO Components



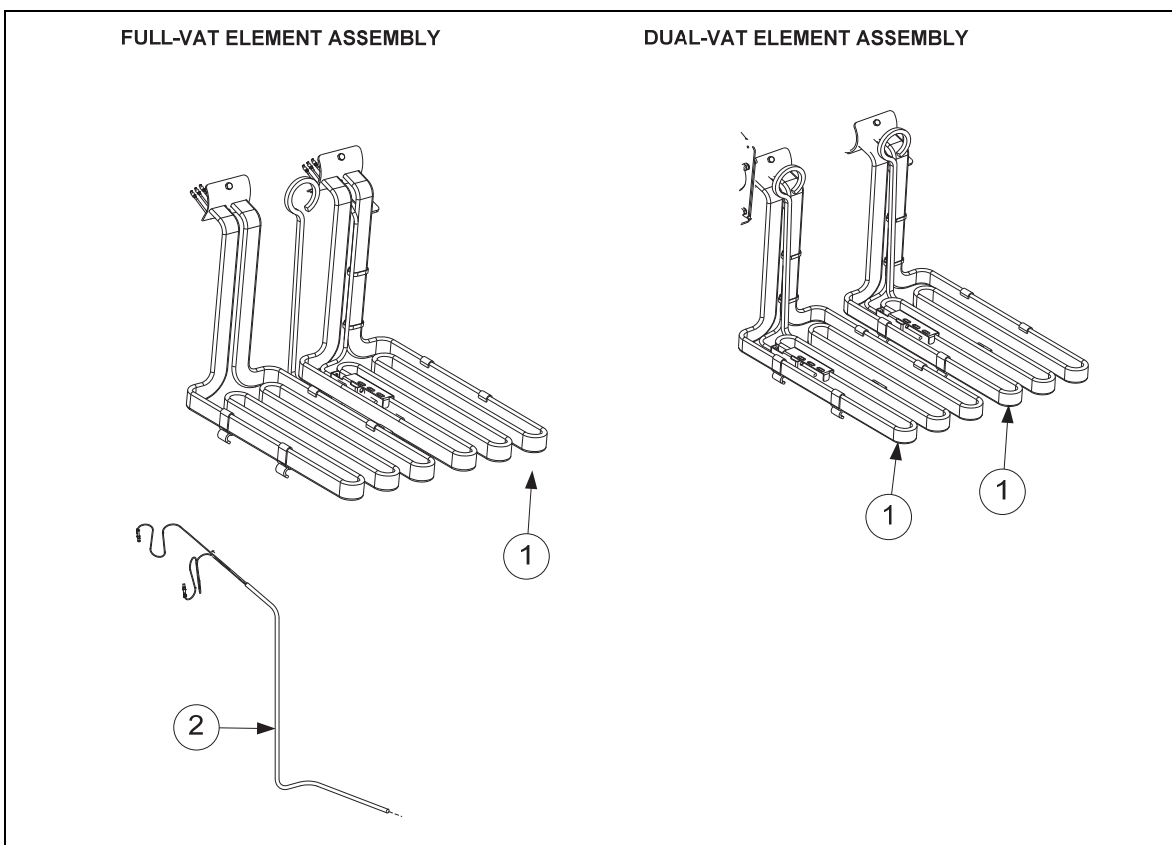
#	Gas	Electric	Description
1	108-2805	X	Automatic Top-Off board
*	826-2706	X	Probe, ATO kit
2	807-1683	X	Relay, top off pump
3	807-2181	X	Transformer, 100-120V/24V 62VA
4	807-0855	X	Transformer, 120V 50-60 12V, 20VA
*	807-2180	X	Transformer, 208-240V/24V 50VA
*	807-2191	X	Transformer, 208/230/240-12V 30VA
	807-4978	X	Transformer V&F 100/120-12/24V

OCF Electric and Gas

5	108-0639	X	Top-off pump, 24VAC
*	108-1049SP	X	JIB hose and cap assembly
6	810-3300	X	JIB Hose inlet
7	823-2001	X	JIB cap
8	810-3663	X	JIB hose
9	220-8363	X	JIB Cradle
*	108-2555	X	ATO Solenoid
*	8030511	X	Tray, GL30 FV Bare Sediment

X = same as gas

Elements



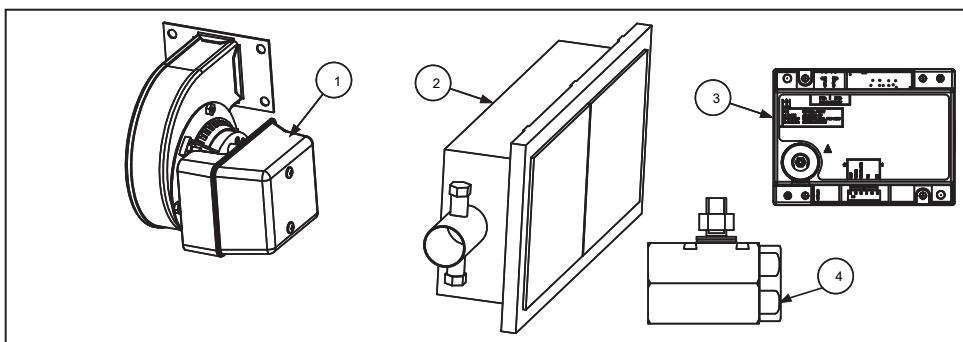
#	Part #	Component
1		Element Kits – includes gaskets, grommets, tie wraps, screws and nuts.
	826-2192	208V 7.0 kW
	826-2197	208V 8.5 kW
	826-2210	208V 11.0 kW
	826-2194	240V 7.0 kW
	826-2200	240V 8.5kW
	826-2193	230V 7.0 kW
	826-2199	230V 8.5kW
	826-2206	230V 11kW

OCF Electric and Gas

	826-2207	240V 11.0 kW
	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
		Probes
2	826-2212	Probe, Temperature RE – <i>includes tie wraps and grommet.</i>
	807-4324	Probe, Temperature Fast Ready
		Contactors
	826-3417	Schneider heat contractor kit (replaces 8072284 contactor)
	807-6169	Schneider contactor
*		Hi Limit
	826-1177	Full Vat 425°F (218°C) (Color Coded Black)
	826-2456	Dual Vat 435°F (224°C) (Color Coded Red)

* Not Illustrated.

Burner/Spark Module/Drain Valves

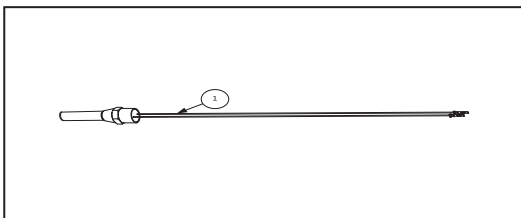


#	Part #	Description
1	106-2997SP	115V 50/60 Hz Blower
	108-3307SP	220V 60Hz
	106-2998SP	208-240V 50/60 Non-CE
	106-3001SP	230V 50/60Hz CE
2	8104688	Burner, universal
3	8075949	Fenwal Spark Module (Kit required to replace Capable Control module. See below)
*	8263446	Fenwal Spark Module kit, (required if replacing a Capable Control Module)
*	826-3553	Igniter, natural gas
*	826-3550	Igniter, Propane
*	812-0706	Insulation, Upper Burner Rail
*	816-0900	Insulation, Burner Textile (Seals edges of burner)
	826-2892	Insulation, Burner Kit
4	810-1018	OCF Drain valve full/dual, electric/gas
*	826-3553	Kit, Igniter Nat Gas Retro
*	826-3549	Kit, Solaronics Nat Igniter
*	816-0981	Gasket, Igniter Solaronics
*	826-3196	Kit, OCF/Gas LOV Temp Probe

OCF Electric and Gas

*	826-3550	Igniter, LP/Butane
*	812-0356	Sight Glass Insulation
	814-0048SP	Sight Glass
	826-2603	Rail, Filter Pan

Hi-Limits



#	Gas	Electric	Description
1	826-1177	X	Full Vat 425°F (218°C) Hi-Limit kit
*		826-2456	Dual Vat 435°F (224°C) Hi-Limit kit

Open Burner

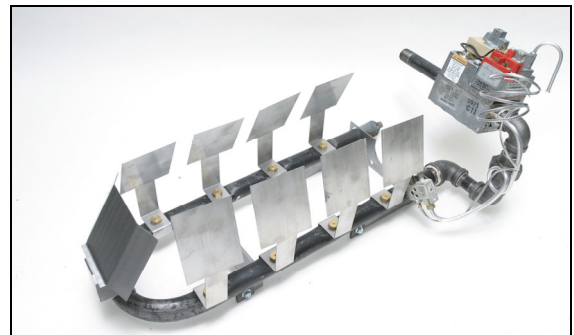
Models: MJ, PMJ, 35, 45, CF, J1C



The open burner, or Master Jet, family of fryers includes the 35, 45, CF, and J1C series at the upper end and the GF14 and GF40 at the lower end.

Unique physical characteristic:

- A U-shaped burner manifold surrounds the frypot, supplying flame to metal deflectors, or targets, which direct the heat to the frypot.



An open burner surrounds the frypot of the MJ series of fryers. Orifices secure the deflectors.

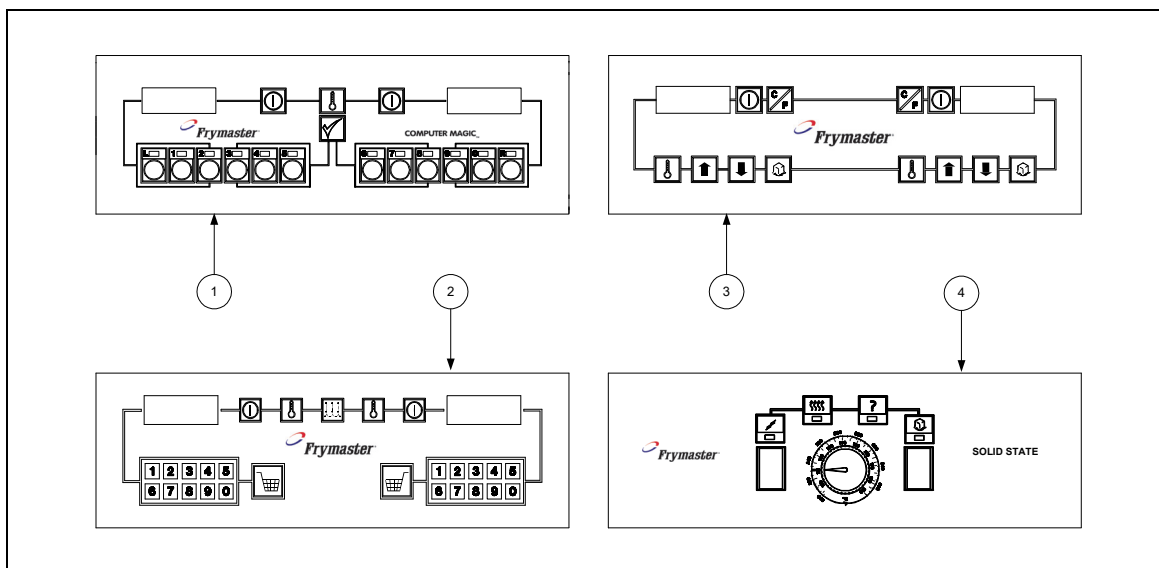
Where used:

- Burger King uses 45's. The other models will be found in smaller restaurants.

Common Model Numbers: FPP235, FMP245, PMJ145, MJ1CF, KJ3FC, J1C,

Open Burner

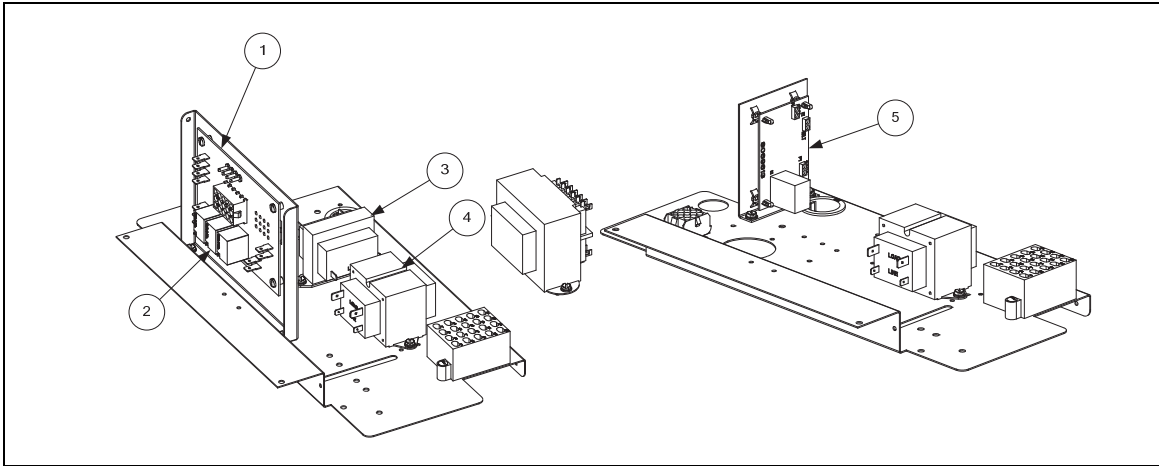
Controller Assemblies (Other than Thermostat Controllers)



#	Part #	Component
1		Computer Magic III, MJ45, FM45 Series
	826-2285	Built-In 45
	106-7248	Remote On-Hood
	826-2280	Remote In-Hood
	826-2294	Built-in CF (Standard) CMIII.5
	826-2392	CF (Euro look)
	826-2327	FMP/FPP 35/45 FV CMIII.5 (except Buffalo Wild Wings)
	826-2390	FMP/FPP 34/45 DV CMIII.5 (except Buffalo Wild Wings)
	826-2327	FMP/FPP35/45 FV Euro Look
2		Basket Lift Timers
	106-3373	CF (Euro look) BL Controller
	826-2393	FMP/FPP 34/45 FV Basket lift Controller
	106-4171	FMP/FPP 34/45 DV Basket Lift Controller
3		Digital Controllers
	826-2302	Controller, Digital
	106-4174	FMP/FPP 34/45 FV Digital Controller
	106-4175	FMP/FPP 34/45 DV Digital Controller
4		Solid State Controllers
	806-3559	Controller, Solid State (<i>controller knob is 810-0387</i>)
	106-6022	FMP/FPP 34/45 FV Analog Controller
	106-3375	FMP/FPP 34/45 DV Analog Controller

Open Burner

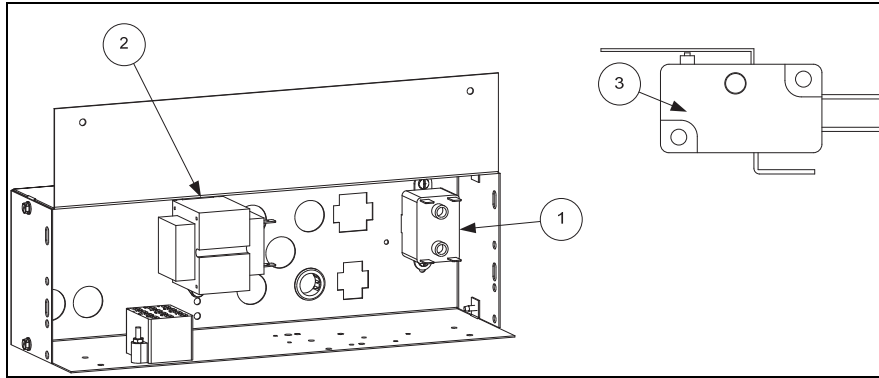
Component Parts



#	Part #	Component
1		Interface Boards
	826-2574	Universal Replacement: MJ, FM, 45, CF
	826-2425	Interface Board, FPP/FMP 35/45 with Standing Pilot
	806-5857	Interface Board, FPP/FMP 35/45 with electronic ignition
2		Relays
	807-6084	Heat relay
	807-0834	Basket Lift Relay
	807-0670	24V Relay, Lockout Electronic Ignition units
		Transformers
3	807-0855	100-120V 50/60 Hz Primary, 12V Secondary
4	807-0800	100-120V 50/60 Hz Primary 24V Secondary
*	807-5129	208/240 V&F 12/24V
	807-4978	100/120V V&F 12/24V
5	826-1546	Kit, Melt Cycle Timer, replaces electromechanical timer
*	807-2191	Transformer, V&F 208/230/240-12V
*	807-2180	Transformer, 208-240V/24V 50VA
*	826-2117	Ignition Module, Electronic Ignition units

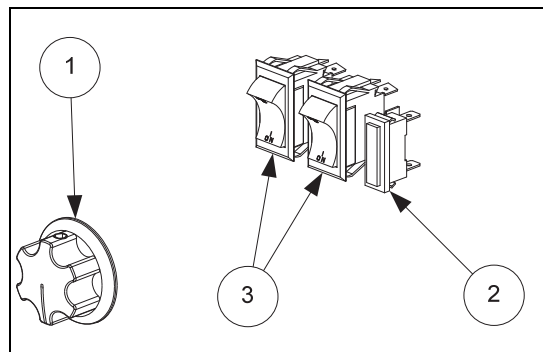
* Not illustrated.

Open Burner



#	Part #	Component
1	807-0012	Relay, 18 Amp, SPST, Filter
2	807-0800	Transformer, 100-120V Primary/24V Secondary 50/60 Hz 50VA
3	807-2103	Micro Switch
*	807-2191	Transformer, V&F208/230/240-12V
*	807-2180	Transformer, 208-240V/24V 50VA
*	807-2104	Micro Switch with roller

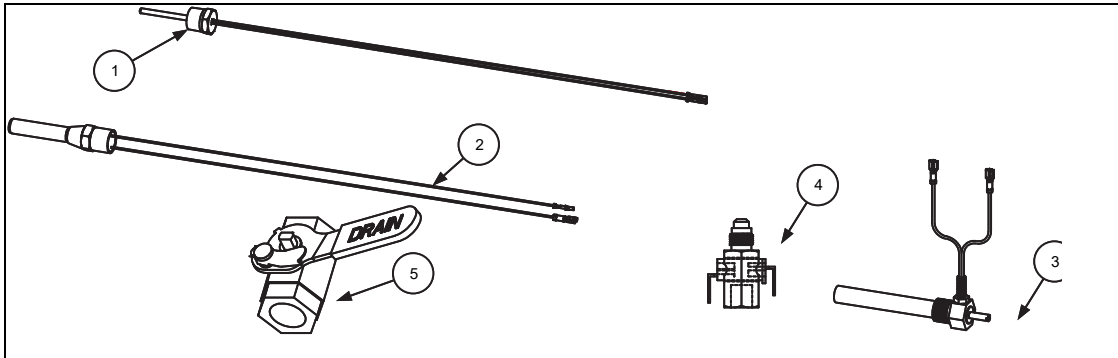
Controller Assemblies (Thermostat Controllers)



#	Part #	Component
1	810-0334	Knob, Operating Thermostat with skirt
*	810-0110	Knob, MJ35 Operating Thermostat
2	807-1525	Light, White Melt Cycle Indicator, 24V
3	807-3498	Switch, 24V, Used for ON/OFF or Melt Cycle

Open Burner

Temperature Probe, Thermostats, Drain Valves



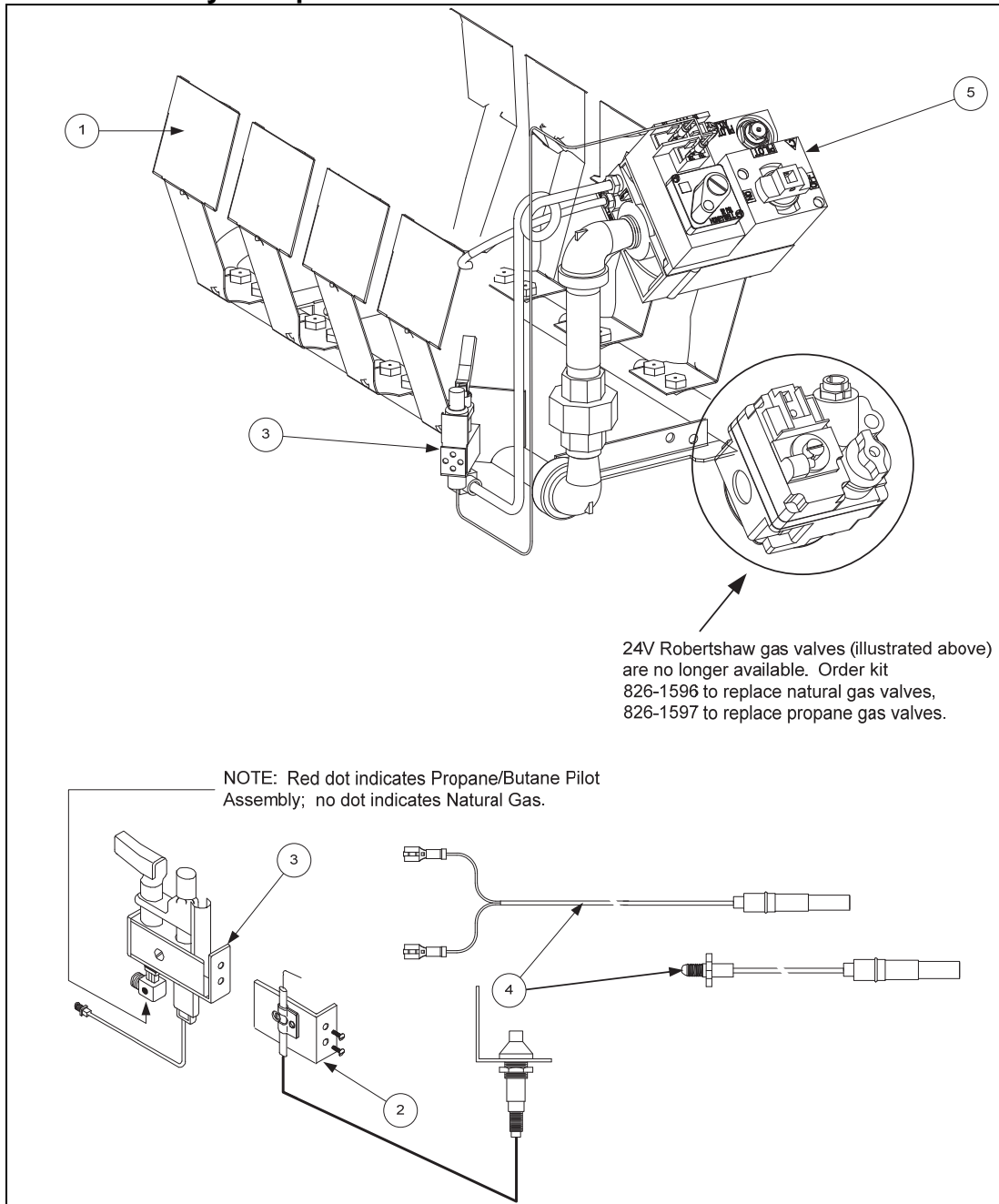
#	Part #	Component
1	806-4206	Temperature Probe, Minco
2	826-1177	Thermostat, 425°F High-Limit (see NOTE)
*	106-8433	Thermostat Assy, 425 Hi-Limit, Australian
*	806-7550	Thermostat, Hi-Limit, CE
3	806-0183	Thermostat Assembly, Operating, MJ45/MJCF/MJ47
*	806-7972	MJ35/MJ35 CE Thermostat assy
4	807-4134	Envelope Assembly, Honeywell Valve
*	806-0184	Thermostat Assembly, MJ, FM, J1C with Robertshaw Gas Valve
*	806-5816	Thermostat Assembly, MJ, FM, FPP, FMP, J1C, GF14 Sysco, 35 with Honeywell Gas Valve
*	826-2014	Thermostat, GF14, GF40
5	806-4145	1¼" Drain valve, non-filter, CF series
*	810-1569	1¼" Drain valve, non-filter, 35/45/GF14/GF40
*	810-1020	1¼" FM Drain valve '98-'01 45/MJCF series
*	810-1018	1¼" Drain valve, Pro series filter, 35/45
*	810-1114	1" Drain valve Pro series DV, filter, 35/45

* Not illustrated.

NOTE: Kit 826-1177 (Item 2) contains high-limit thermostat 806-7545 and an assortment of connectors to allow it to be configured for use on several Robertshaw valves.

Open Burner

Burner Assembly Component Parts



#	Part #	Component
1		Deflectors
	230-1177	45 Deflector, Side
	230-1206	45 Deflector, Rear
	230-1178	35/CF Deflector, Side
	230-1180	35/CF Deflector, Rear
	230-1568	JIC Deflectors, all

Open Burner

#	Part #	Component
2	826-1155	Igniter Kit, Optional Piezo
	807-1906	Electrode Assembly
	810-1001	Trigger
3		Pilot Assembly
	806-8688SP	Propane or Butane Gas, w/Thermopile (w/co-axial lead)
	810-1830	Natural Gas, w/Thermopile (w/twin-leads)
	106-9570	Pilot Assy,Fpp35/45 Nat Austr
	106-9571	Pilot Assy,Fpp35/45 Pro Austr
	106-9921	Pilot Assy, Aust Dual Nat
	106-1908	PMJ 35 Pilot Assembly, Thermopile (Nat) domestic
	106-1906	PMJ 35 Pilot Assembly, Thermopile (LP) domestic
	810-2070	Pilot Assembly, with twin fork terminal leads (LP)
	810-2071	Pilot Assembly, with twin fork terminal leads (Nat)
	810-0426	Natural Gas, w/o Thermopile or Thermocouple
	810-0616	Propane or Butane Gas, w/Thermopile (w/co-axial lead)
	810-1773	Propane or Butane Gas, w/Thermopile (w/twin push-on leads)
	810-0427	Propane or Butane Gas, w/o Thermopile or Thermocouple
4		Thermopile/Thermocouple
	810-1873	Thermopile with push-on terminals
	810-0159	Thermopile with fork terminals
	810-0617	Thermopile with coaxial end
5		Valve, Gas (see Note 1 below)
	810-0975	Knob, Honeywell Millivolt Gas Valve
	807-3294	Natural Gas (for 240V, use 807-0025)
	807-3295	Propane/Butane Gas (for 240V, use 807-0759)
	807-1603	Honeywell NAT millivolt gas valve
	807-1604	Honeywell LP millivolt gas valve
	807-4160	Valve, Honeywell 24V (Aust)
	807-4137	Valve, Honeywell MV (Aust)
	826-1139	GF14 Honeywell Nat to LP conversion kit
	826-1140	GF14 Honeywell LP to Nat conversion kit
	826-1143	GF40 Honeywell Nat to LP conversion kit
	826-1144	GF40 Honeywell LP to Nat conversion kit
	826-1596	45/47 Series 24V ½” Robertshaw to Honeywell NAT Conversion Kit
	826-1597	45/47 Series 24V ½” Robertshaw to Honeywell LP Conversion Kit
	826-1643	CFE Series 24V ¾” Robertshaw to Honeywell NAT Conversion Kit
	826-1644	CFE Series 24V ¾” Robertshaw to Honeywell LP Conversion Kit

NOTE: A gas valve capacitor (P/N 806-4781) is required on gas valves used on units with Thermostat Controllers.

Decathlon

Models: 20, 50, 60, 80



The Decathlons are large tube fryers often used for bone-in chicken. Flame passes through tubes in the frypot, which transfer heat to the oil. Decathlon is indicated in the model name with a D: D50's, D60's and D65's are all models of the Decathlon family.

Unique physical characteristics:

- Burner tubes rest on a gas manifold at the front of the fryer, transferring heat to tubes in the frypot.

Where used:

- The Decathlon is common in Chili's.

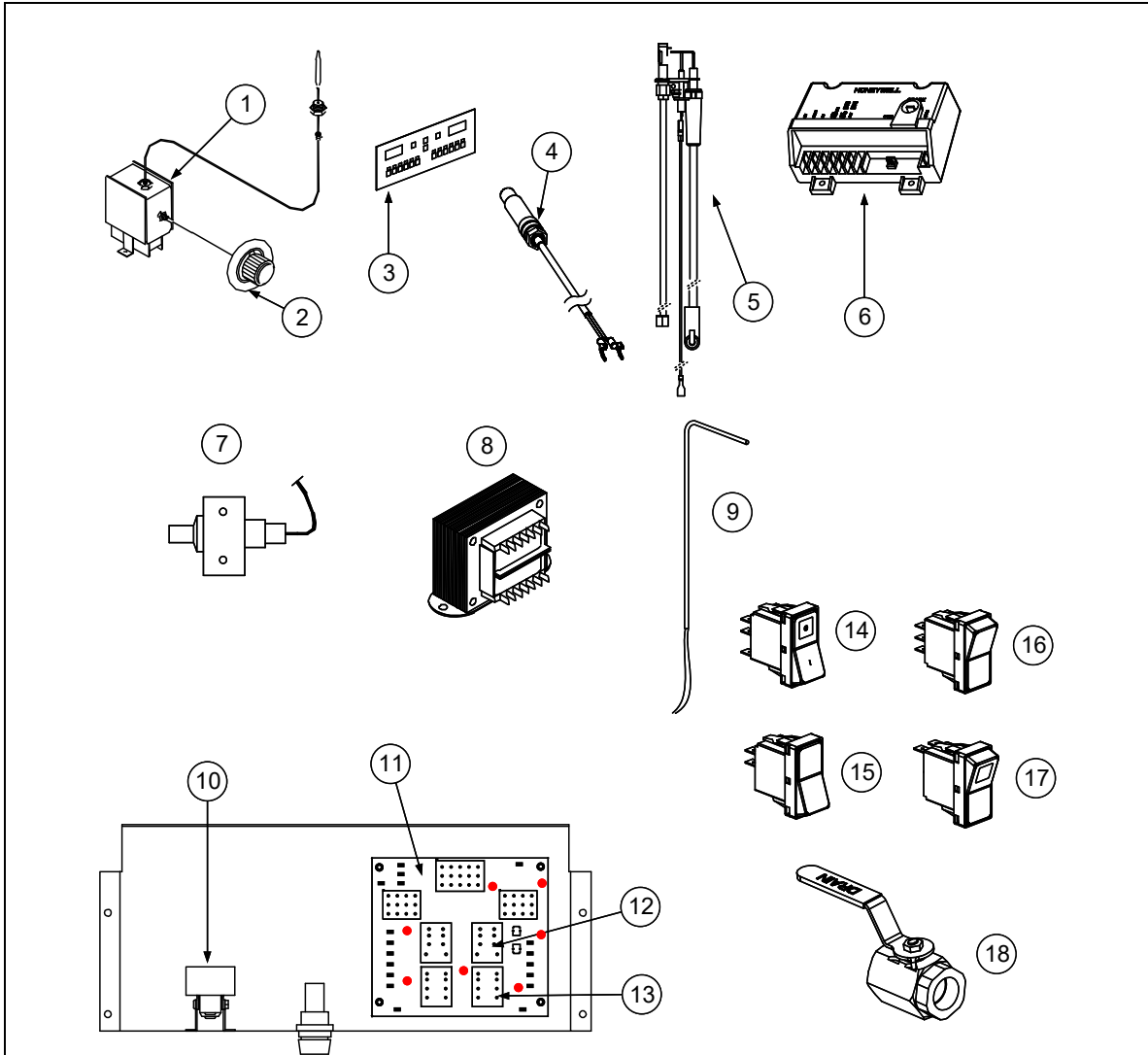
Common Model numbers:

- SCFHD250, SCFHD350, SCFHD460, HD160



Decathlon

Common Primary Components and Controllers



#	Part #	Component
Computers/Controllers/Thermostats		
1	826-2013	Thermostat, Sunne
2	810-2035	Knob, Thermostat
3	CALL	Computer, Compu-Fry III.5
*	CALL	Computer, Compu-Fry, Dual vat
*	826-2269	Potentiometer, Thermatron
*	810-0110	Knob, Control, Thermatron

Decathlon

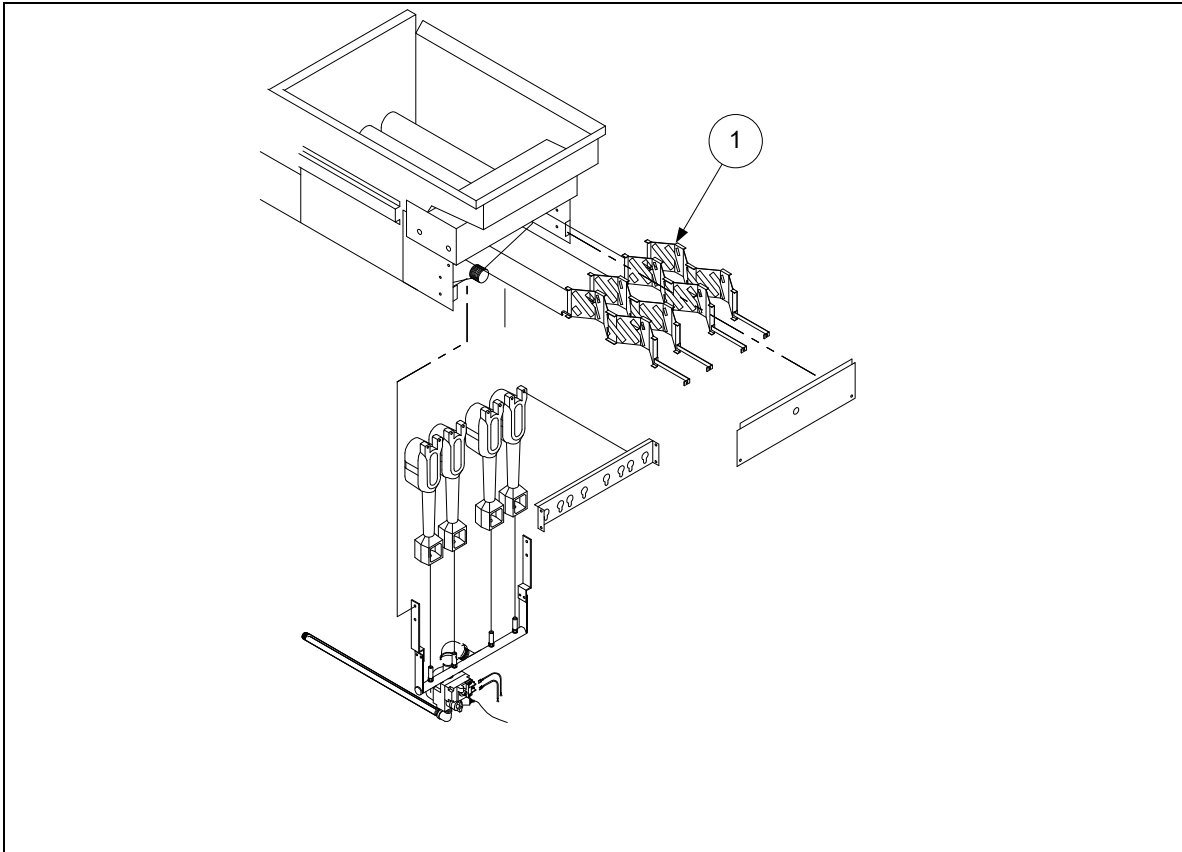
#	Part #	Component
		Pilot Components
4	807-3485	Thermopile (24V gas valve)
5	106-1839	Pilot Assembly- Natural Gas- Electronic Ignition/Computer
	106-1128	Pilot Assembly – LP Electronic Ignition/Computer
	106-1238	Pilot Assembly – NAT W/Thermatron
	108-6711	Pilot Assembly- LP W/Thermatron
		Ignition Components
6	807-3563	Spark Module older Robertshaw (used with computer controls)
	826-2117	Honeywell Spark Module kit used with thermatron controls (Older)
	826-2898	Fenwal Spark Module with computer or thermatron controls (Current)
*	807-1310	Flame Sensor
*	106-3553	Ignition Cable
*	106-7535	Ignition Cable (use with 8073563 module)
7	810-1001	Piezo Ignitor (Trigger)
*	807-3540	Electrode, Piezo
		Transformers
8	807-3551	Honeywell 120/24 VAC, ignition
*	807-0855	Transformer, 120/12 VAC
	807-4978	V&F Dual 100/120-12/24V
*	807-0800	120/24 VAC Filter
	807-0680	Transformer Primary 208/240V
		Probe Assemblies
9	826-2423	Probe Assembly (RTD), Temperature, Dean Computer
*	1065419S P	Probe Assembly, Temperature Thermatron (2-pin plug)
*	106-1976	Probe Assembly, Temperature Thermatron (4-pin plug)
		High Limit
10	807-3680	High-Limit Thermostat- Manual Reset 450° F
		Interface Boards
11	826-2425	Interface Board, Dean Computer Only. Manual pilot (807-6084, latch relay)
*	826-2434	Interface Board for Electronic Ignition
*	106-3729	Thermatron Board- 24 VAC (After 2007)
*	826-2086	Thermatron Board- 120V gas fryer (Early 2006 and Below)
		Fuses/ Circuit Breaker
*	807-3577	Circuit Breaker, 7 amp
*	807-3592	Fuse, 2 amp, Slo Blo
*	807-3750	Fuse, 5 amp
*	807-3751	Fuse holder
		Relays
12	807-0834	Relay, 12VDC 15A 1PDT (Basket lift)
13	807-6084	Relay, 12VDC 7A 1PDT (Latching)
*	807-3611	Relay, Filter Pump (Socket Installation Only)
*	807-4114	Relay, Filter Pump (Surface Mount)
*	807-3640	Relay, Boil Out
*	807-0012	Relay 18 Amp 1/3 Hp 24v Coil Filter 2006 and Above
*	807-1683	Relay, 12VDC
*	807-3922	Relay, 12VDC (SPDT)16a (Thermatron board relay)
		Switches
*	807-2104	Microswitch (with roller)
14	807-3574	Switch, Power- Green Lens
15	807-3580	Switch, Rocker- Manual Filter Power
16	807-3579	Switch, Boil-Out- 6-Terminal
17	807-3576	Switch, Fryer Reset (Momentary)

Decathlon

		Gas Valves
*	807-3552	Gas Valve, Natural Gas, Electronic Ignition 24 VAC (D20/50/60/80)
*	807-3628	Gas Valve, LP Gas, Electronic Ignition 24 VAC (D20/50/60/80)
*	810-2156	Gas Valve, Natural Gas 120 VAC (D20/50/60/80)
*	810-2323	Gas Valve, LP Gas 120 VAC (D20/50/60/80)
*	807-3294	Gas Valve, manual pilot, NAT 24V (D20/50/60/80)
*	807-3295	Gas Valve, manual pilot, LP 24V (D20/50/60/80)
		Drain Valves
18	810-2126	Drain valve 1¼" (Full port) non-filter
*	810-2784	Drain valve 1¼" (Full port) must have O-ring 8160544
*	810-2783	Drain valve 1½" (Full port) must have O-ring 8160544
*	823-5053	Drain valve 1½" valve full port (Y/KSCF 18G)
*	823-5075	Drain valve 1¼" valve (Wingstreet)
*	810-2127	Drain valve 1½" (Full port)
		Pilot Burners
*	810-2158	Pilot Burner- Natural Gas (D20)
*	812-2254SP	Pilot Burner- LP Gas (D20)
*	810-2032	Pilot Burner- Natural Gas (D20/50/60/80) (Primary and Trailing)
*	810-2155	Pilot Burner- LP Gas (D20/50/60/80) (Primary and Trailing)

Decathlon

Decathlon Frypot Components



#	Part #	Component
1		Diffusers
	230-7709	Diffuser Assembly D20/D50
	230-7711	Diffuser Assembly D60
	210-5177	Diffuser Assembly D80
	230-4900	Diffuser Assembly HD50
	230-6888	Diffuser Assembly HD60 and FPHD65

Dean Millivolt

**Models: SR 38, 42, 52, 62;
SM 20, 35, 50, 60, 80**



The SR and SM-series of Dean fryers are millivolt-powered units.

Unique Physical Characteristics:

- A no-frills millivolt fryer.

Where used:

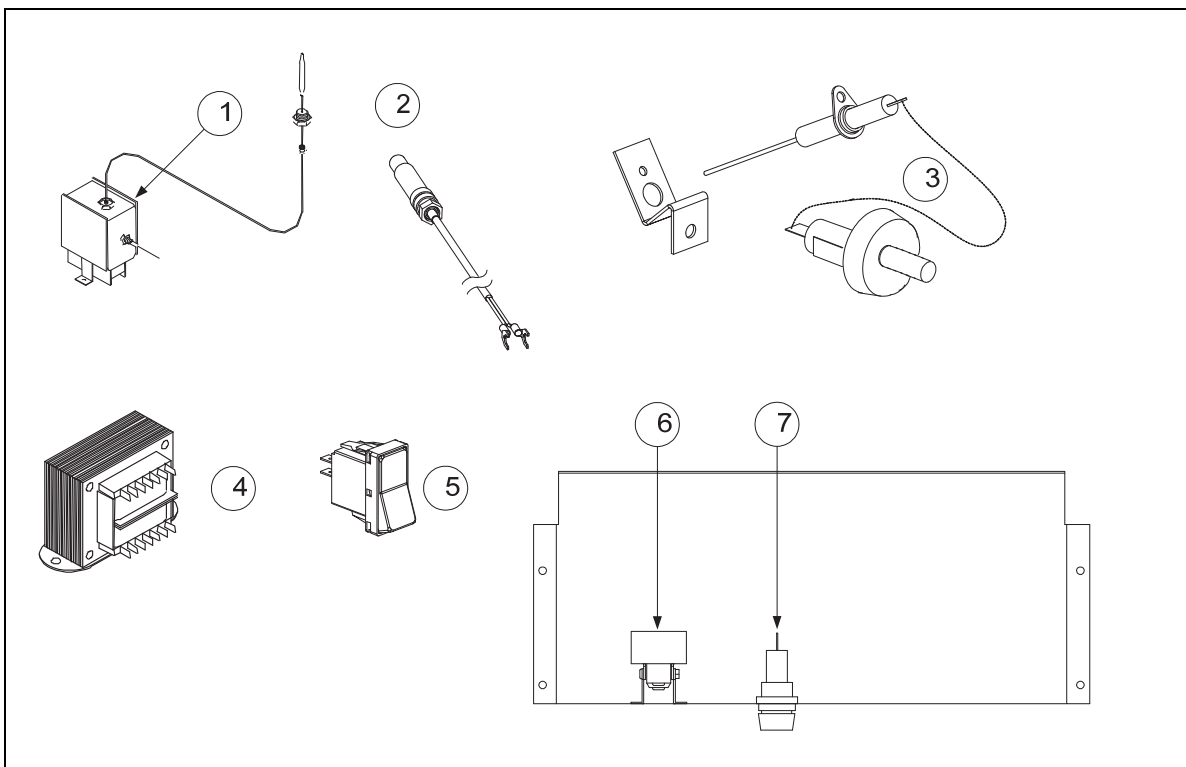
- IHOP uses SM fryers with filtration, small restaurants, bars, catering vehicles use the SR series.

Common Model Numbers:

SR42, SR52, SR62, SM250, SM150, SCFSM250

Dean Millivolt

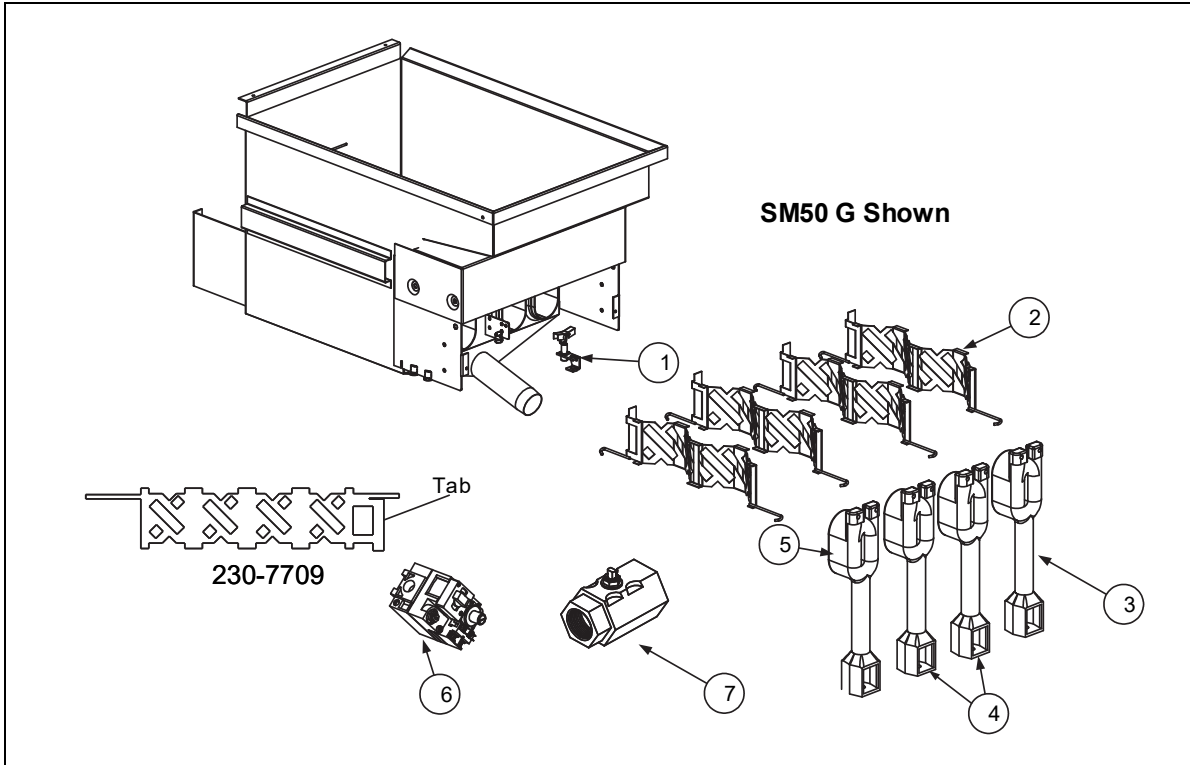
Component Box Components and Related Components



#	Part #	Component
1	826-2013	Thermostat, Sunne
2	807-3485	Thermopile
3	810-1001	Piezo Ignitor (Trigger) (<i>Wire Lead-807-3650</i>) (<i>Assembly-8262786</i>)
4	807-0800	Transformer, 120/24 VAC (Filtration System)
5	807-3580	Switch, Rocker- Manual Filter Power
6	807-3516	High-Limit Thermostat- Automatic Reset 435° F SM20/35, SR40/42
*	807-3680	High-Limit Thermostat- Manual Reset 450° F SR52/62/SM50/60/80
7	807-1321	Fuse Holder, Buss
*	807-3750	Fuse 5A 120VAC (Filtration system)
*	807-4114	Relay, Filter 24A DPDT (Surface Mount)
*	807-0012	Relay, Filter 24 A (2006 and Later)
*	810-2035	Knob, Thermostat, KXD/Centigrade
*	816-0139	Knob, Celsius/Fahrenheit

Dean Millivolt

Frypots and Related Components



#	Part #	Description
1		Pilot Assemblies
	810-2032	Burner, Nat MV Pilot (SR42/52/62/SM50/60/80)
	810-2155	Burner, LP MV Pilot (SR42/52/62/SM50/60/80)
	812-1897SP	Electrode, SM50/60/80 (for units with piezo igniter)
	807-3485	Thermopile, generator with adapter
*	810-2158	Pilot Burner Nat (SM20)
2		Diffusers
	230-7711	Diffuser, Burner Tube- SM/D60, SR62
	230-7709	Diffuser, Burner Tube- SR52, SM/D50, SM/D20
	230-2592	Diffuser, SR 42
		Burners
3	810-2150	Burner, Right (SR42/52/62) (SM20/50/60/80)
3	810-2039	Burner, Right (SR38/42) (SM35/40)
4	810-2149	Burner, Center (SR52/62) (SM50/60/80)
4	810-2038	Burner, Center (SR38/42) (SM35/40)
5	810-2151	Burner, Left (SR52/62) (SM20/60/80)
5	810-2037	Burner, Left- (SR38/42) (SM35/40)
		Hardware
*	809-0766	KEPS 10-32 SS Hex
*	809-0845	Screw, 10-32 x 3/8" Hex Slotted Head
6		Gas Valves
*	807-2427	Valve, Gas- Natural, Robertshaw (used on all Dean MV gas units)

Dean Millivolt

*	807-2424	Valve, Robertshaw LP Millivolt (used on all Dean LP MV units)
		Drain Valves
7	810-1338	Drain valve 1" (used on SM20/D20/SR42) (should be ordered with handle 8101567)
*	810-2126	Drain valve 1¼" (Full port) non-filter (SM60/80)
*	810-2052	Drain valve 1¼" (1" standard port) non-filter (SR52/62)
*	810-2127	Drain valve 1½" (Full port)
*	810-2784	Drain valve 1¼" (Full port) must have O-ring 8160544
*	810-2783	Drain valve 1½" (Full port) must have O-ring 8160544
*		Conversion Kits
*	826-1817	Natural to LP, SR42 (with Honeywell valve)
*	826-2017	LP to Natural, SR42 (with Honeywell valve)
*	826-2018	Natural to LP, SR52/SM50 (with Honeywell valve)
*	826-2019	LP to Natural, SR52/SM50 (with Honeywell valve)
*	826-2020	Natural to LP, SR62/SM60 (with Honeywell valve)
*	826-2021	LP to Natural, SR62/SM60 (with Honeywell valve)

Pro Electric/RE

Models: Pro Electric, FPPH, FMPPH, McD Pro Electric, BIPH; RE, FPRE, McD RE, BIRE



Pro Electric



RE

The Pro Electric fryer, which introduced a new filter pan and a large drain manifold among other design changes, was followed by the RE, which introduced a unique rotating element. The units share many common electrical components.

Unique physical characteristics:

Pro Electric — 3-inch drain manifold, filter pan redesign

RE — Recessed rotating element mounting mechanism, repositioned and redesigned contactor boxes

Where used:

All major chains

Common Model numbers:

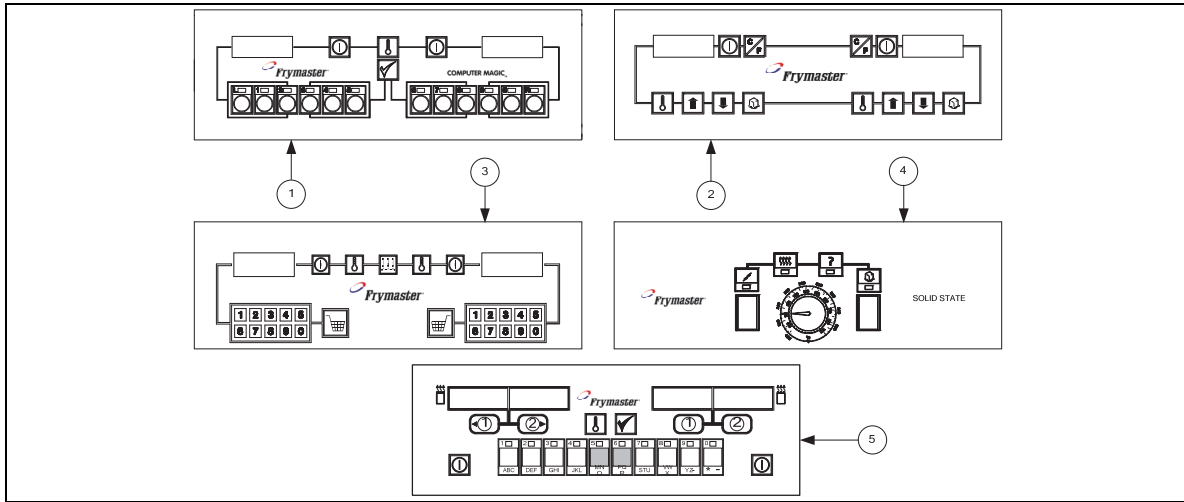
- **Pro Electric** — FPPH214, FPPH217, FMPPH214; **McDonald's**: BIPH214, BIPH314
- **RE** — FPRE317, FPRE 217, FPRE214; **McDonald's**: BIRE314, BIRE414, BIRE214



The RE fryer has a recessed tubular mounting point for the elements which rotates. This is the most obvious difference between the RE and the Pro Electric.

Pro Electric/RE

Controllers



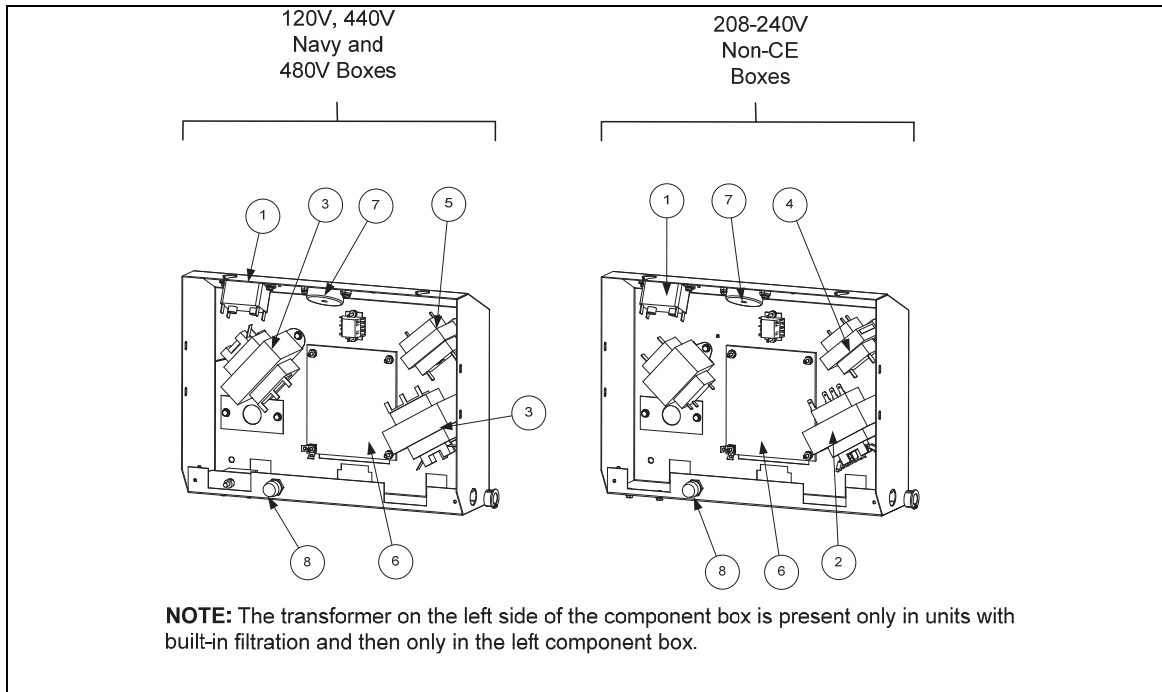
#	Stock		Standard	Euro-look	Component
1					Computer Magic III.5
	✓	✓	826-2333	826-2332	Full-Vat
			826-2334	826-2405	Dual-Vat
			826-2335	826-2397	Full-Vat (Triac/Solid State)
			826-2336	826-2398	Dual-Vat (Triac/Solid State)
2					Digital Controller
			826-2303	826-2329	Full-Vat
			826-2362	826-2476	Dual-Vat
3					Basket Lift Timer
			826-2317	826-2401	Full-Vat
			826-2374	826-2402	Dual-Vat
4					Solid-State (Analog) Controller
	✓		806-7422	106-7987	Full-Vat
			806-7423	106-4334	Dual-Vat
		✓	810-0387	810-0387	Knob
5					McDonald's Replacement Controllers (No bezel)
	✓	✓	826-2346	826-2343	M2000
*					Kits
	✓		826-2609		Used with 826-2346 to convert from M100
	✓	✓	826-2458	826-2458	M2000 Speaker kit, electric or gas

Interface Board to Controller Wiring Harness – 15-Pin



Pro Electric/RE

Control components



#	Part #	Component
1	807-0012	Relay, 18 Amp ½ HP 24V Coil
2	807-2180	Transformer, 208-240V 50VA
3	807-2181	Transformer, 100-120V/24V 60VA
4	807-0680	Transformer, 208-240V/24V 20VA
5	807-0855	Transformer, 100-120V/12V 20VA
*	807-0979	Transformer, 208-240V/12V 43VA
*	807-4968	Transformer, 208-250V 75VA 24V
*	812-2126	Transformer, 208-250V 24V W/O FUSE
6		Pro Series Interface Board
*	826-2256	Standard (Non-Triac), Full- or Dual-Vat
*	826-2257	Triac, Full- or Dual-Vat
*	826-2258	Fast Computer, Full- or Dual-Vat
6		RE Interface Boards
	826-2260	Standard, Full or Dual Vat
*	826-2261	EPRI
*	807-1597	Fuse, 3amp Slow Blow
	807-1321	Fuse Holder
7	806-7179SP	Sound Device HE/
*	826-2458	Speaker, McDonald's
8	810-3141	Sound Device, SMT Non McD
*		24 Volt Transformers Used in Common Electric Units
*	807-2192	100-120V/12V
*	807-0680	208/240V/24V (no fuse)
*	807-0800	120V 50VA/24V (no wires)
*	807-5129	208/220/230/240V 20/50 VA 12/24
*	807-4036	Switch (used on RE control box)
*	826-2249	RE Hood/Ansul Interlock Kit (includes terminal block, wires, connectors)

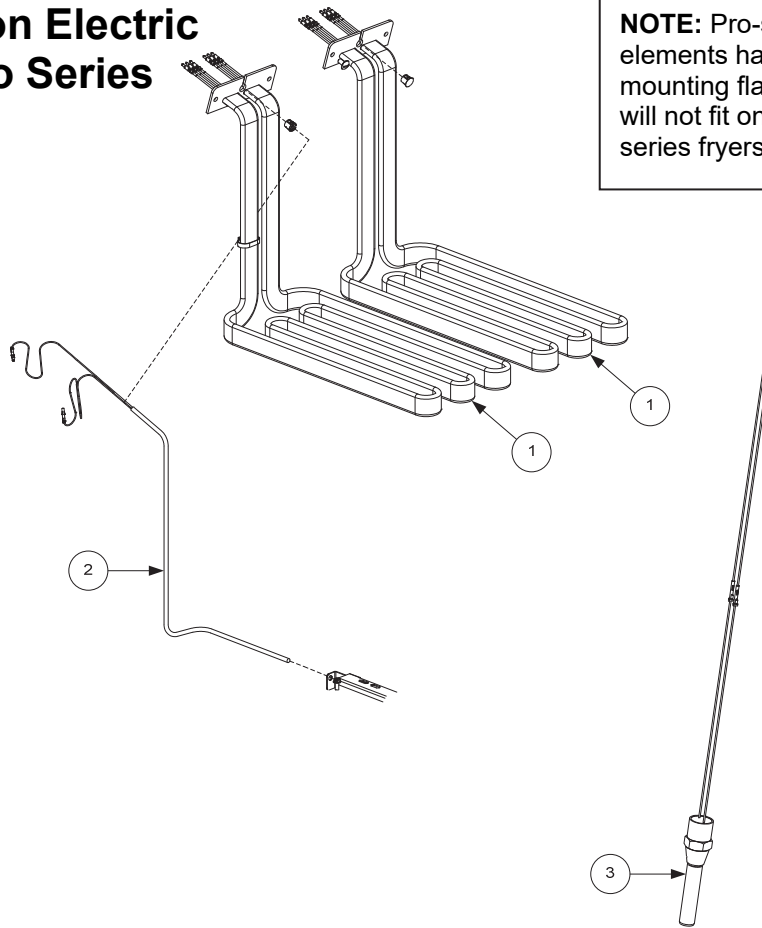
Pro Electric/RE

Contactor Box Components

#	Part #	Component
*	826-3417	Contactor, 24V 50 Amp, Mechanical kit (replaces 8101202 latch and 8071071mercury contactors)
*	826-1562	Relay, Solid State, 40 Amp, 280V
*	807-0012	Relay, 18 Amp 1/3 HP 24V Coil (used on some Cracker Barrel models)
*	807-0064	Transformer, 480V/120V 150VA (used on 480v models)
*	807-1683	Relay, 12VDC

Heating Element Assemblies and Associated Parts

Common Electric And Pro Series



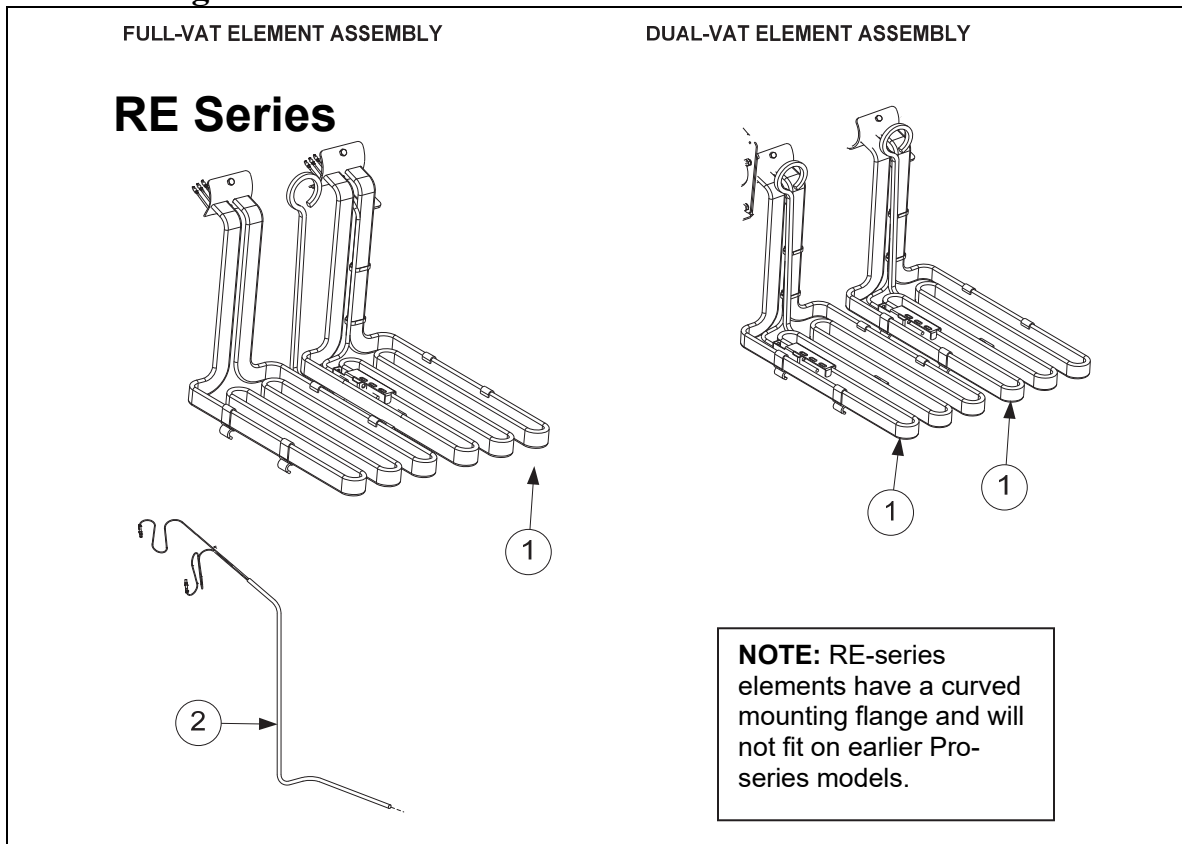
#	Part #	Component
1		Element Kits – includes gaskets, grommets, tie wraps, screws and nuts
	8262151	200V 7KW (Also used for 8.5KW @ 220V)
	8262156	200V 8.5KW
	8262150	208V 8.5KW
	8262172	208V 11KW
	8072645	240V 8.5KW
	8072642	230V 7KW
	8072643	230V 8.5KW

Pro Electric/RE

	8262154	240V 7KW
	8072645	240V 8.5KW (Also used for 220V @ 7KW)
	8262166	240V 11KW
	8262170	480V 11KW (Also used for 7KW @ 380V)
	8262162	480V 8.5KW
	8262160	440V 8.5KW
	8262161	480V 7KW
2		Probes
	8261526	Common Electric Replacement Probe Kit
3		Hi-limit Kits
	8261177	FV Kit, Hi-limit 425F/218C
	8262456	Dual Vat 435°F (224°C) (Color-coded, red)

Pro Electric/RE

RE Heating Element Assemblies and Associated Parts



#	Part #	Component
1		Element Kits – <i>includes gaskets, grommets, tie wraps, screws and nuts</i>
	826-2192	208V 7.0 kW
	826-2197	208V 8.5 kW
	826-2210	208V 11.0 kW
	826-2194	240V 7.0 kW
	826-2200	240V 8.5kW
	826-2193	230V 7.0 kW
	826-2199	230V 8.5kW
	826-2206	230V 11kW
	826-2207	240V 11.0 kW
	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		Probes
	826-2212	Probe, Temperature RE – <i>includes tie wraps and grommet.</i>
	807-4324	Probe, Temperature Fast Ready
*		Hi -Limit
	826-1177	Full Vat 425°F (218°C) (Color Coded Black)
	826-2456	Dual Vat 435°F (224°C) (Color Coded Red)

* Not Illustrated.

UHC-HD & UHCHD-T



Natural convection model with flat top.



New touchscreen model above a prep table.

The UHCHD-T is the fourth generation of the holding cabinet. It follows the UHC-HD, which introduced six rows in the footprint of the earlier four-row models. The new unit has a touchscreen controller.

Unique Physical Characteristics:

- The new unit and six slots and a touchscreen controller. There are no controls in the bezels.
- The earlier model has control buttons on each bezel with a corresponding circuit board in each slot position. A keypad and scrolling screen at the top is where entries are made.

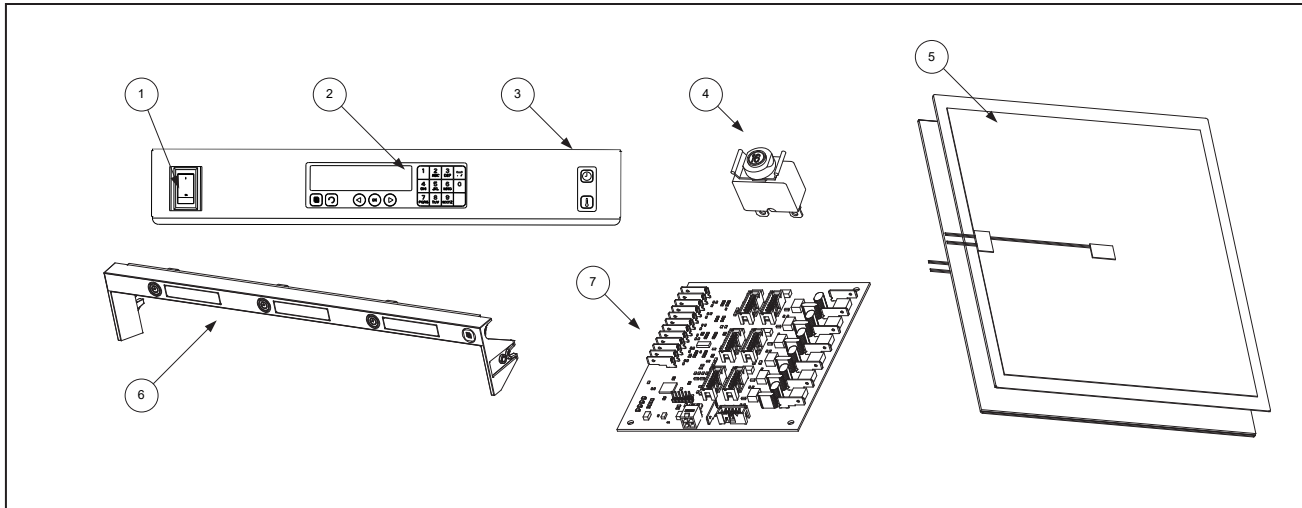
Where Used:

- McDonald's.

Common Model Numbers: UHC-HD, UHCHD-T

UHC-HD & UHCHD-T

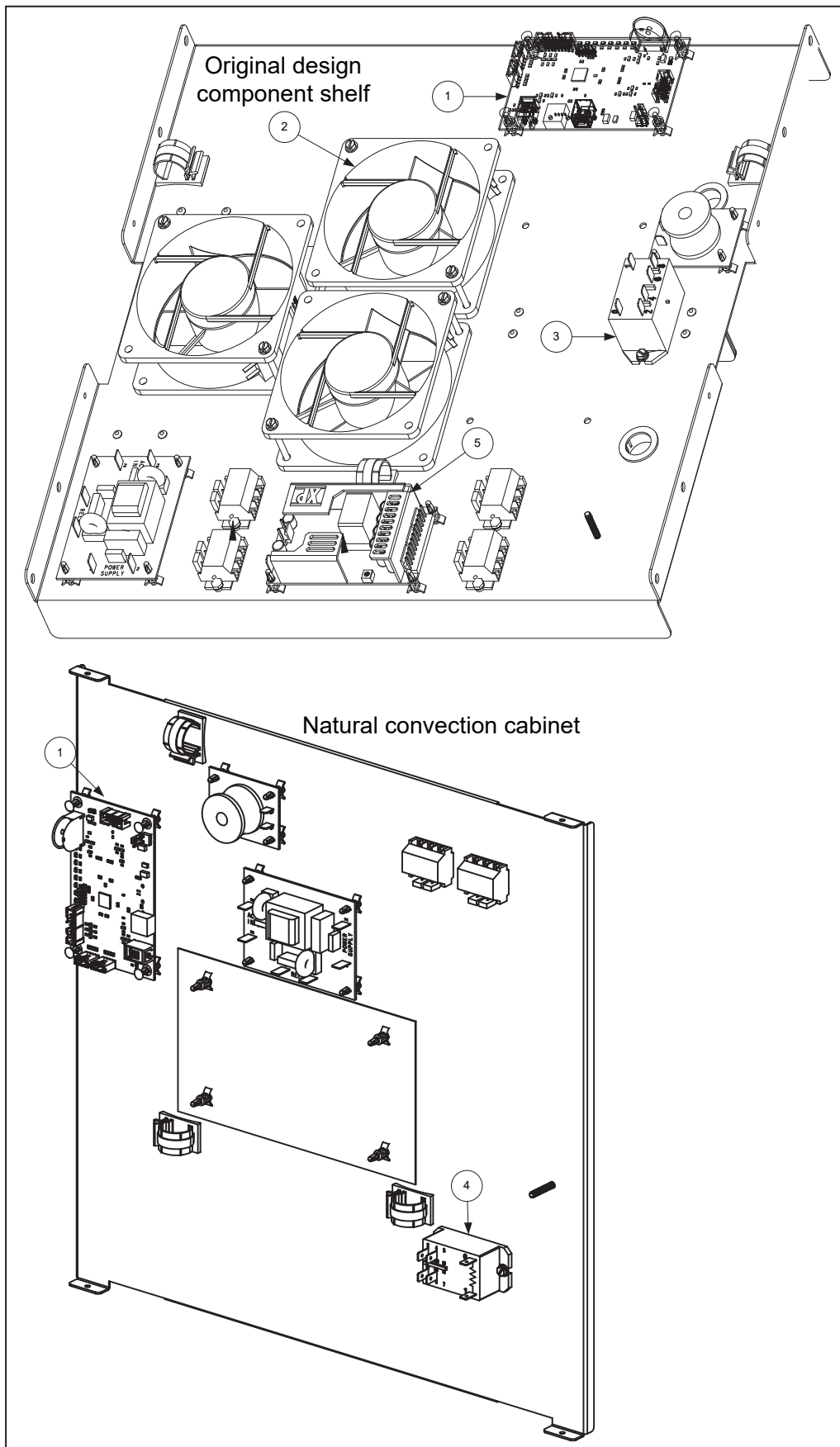
UHC-HD Controls



#	Part Number	Description
1	807-4911	Power switch
2	807-5112	Master control overlay with ribbon cable
3	807-5111	Time/Temperature switch
4	807-4882	Circuit breaker
*	807-5156	Master display board (circuit board in master display assembly)
5	807-4857	Heater plate/RTD
6	826-2781	Bezel, with boards, front with short ribbon cable
*	826-2782	Bezel with boards, rear, with long ribbon cable
7	807-5508	Distribution board
*	108-3357SP	Bracket Assembly, UHCHD Card Holder

UHC-HD & UHCHD-T

Component Shelves

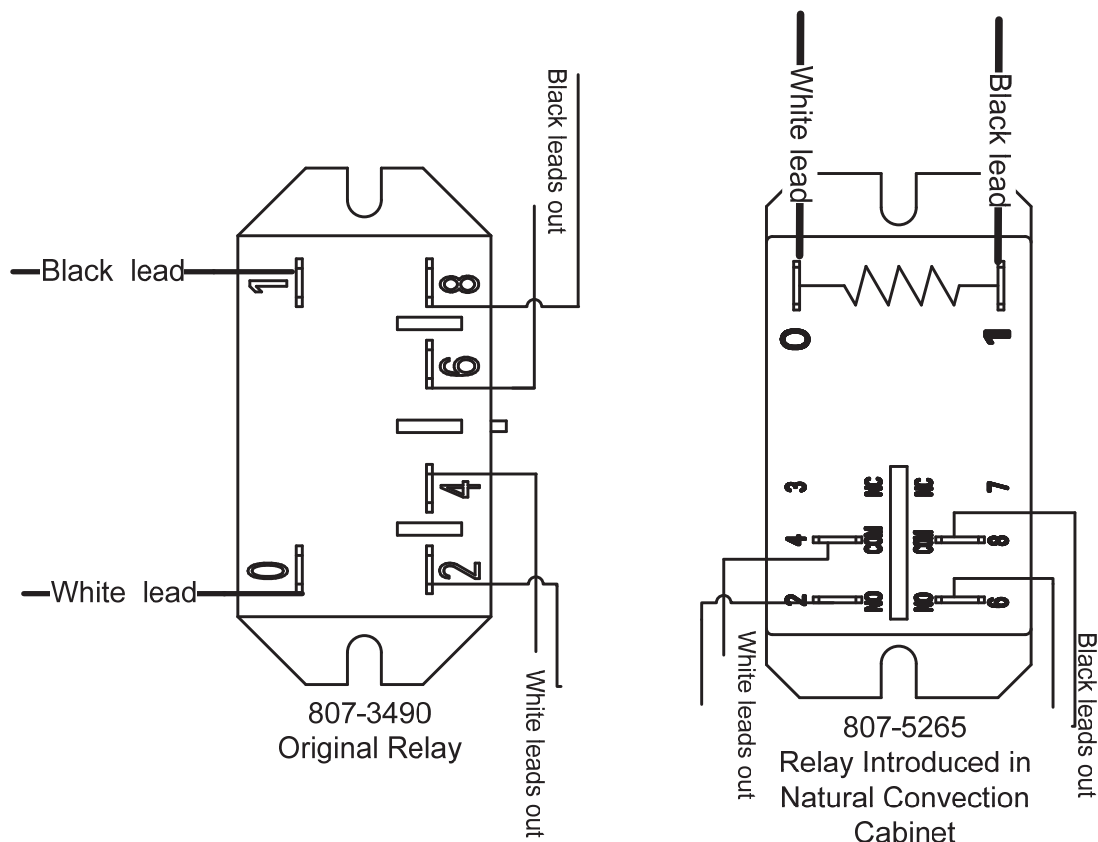


UHC-HD & UHCHD-T

#	Part Number	Description
1	807-5382	Master control board
2	807-2665	Blower (not used in natural convection cabinets)
3	807-3490	Latching relay
4	807-5265	Latching relay, US natural convection cabinets (see below)
5	826-3262	Power supply (on right cabinet side in natural convection units)
		Ribbon Cables
*	807-4916	Time/Temp 18" used for front fascia
*	807-4917	Time/Temp 32" used for rear fascia
*	807-4875	Master distribution
*	807-4922	Power to upper distribution board
*	807-4923	Power to lower distribution board
*	807-4990	USB Cable

*Not Illustrated

Latching Relays in US Natural Convection Cabinets

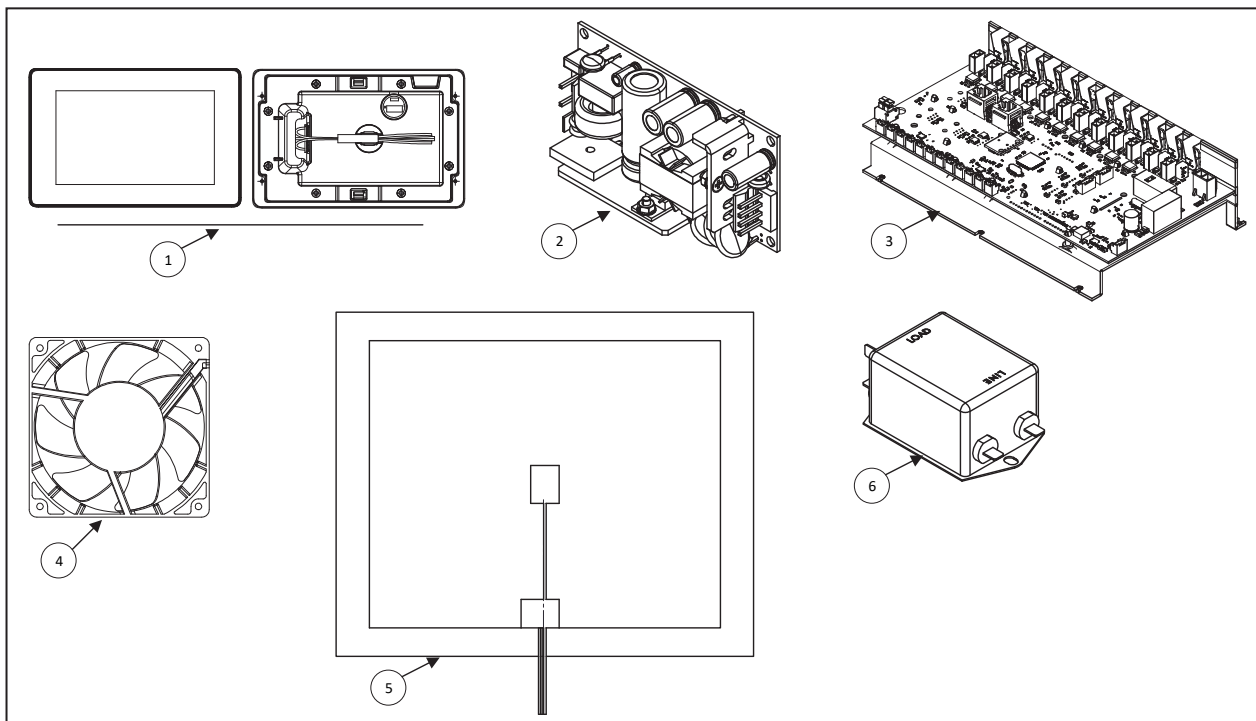


The natural convection (cabinet without fans) UHC-HD uses a different latching relay in the US. The new relay shares the same footprint as the original relay, but the terminals are laid out differently. (See diagrams above.)

The new relay can be used in all existing cabinets. However, the old relay can't be used as a service part in natural convection units in the US.

UHC-HD & UHCHD-T

UHCHD-T Components



#	Part Number	Description
1	826-3619	KIT, UI, Mcd Ultratronik with SD card
2	807-6336	Power Supply, 12VDC
3	808-0026	Board, I/O 12-Heater
4	807-6468	Fan 120x120x25mm, 115CFM
5	807-6423	Plate, Heater UHCHDT
6	807-6337	Filter, Power Line
*	807-3490	Relay, Power Heavy Duty 220V (same as UHCHD, original)
*	807-4911	Switch, 10A 250V 15a 120v Spdt
*	807-4882	Breaker, 16A (same as original)

HLZ



The HLZ, or Heated Landing Zone, is a warming station sold exclusively to McDonald's.

Unique Physical Characteristics:

- Supplies heat with a plate and heated air.

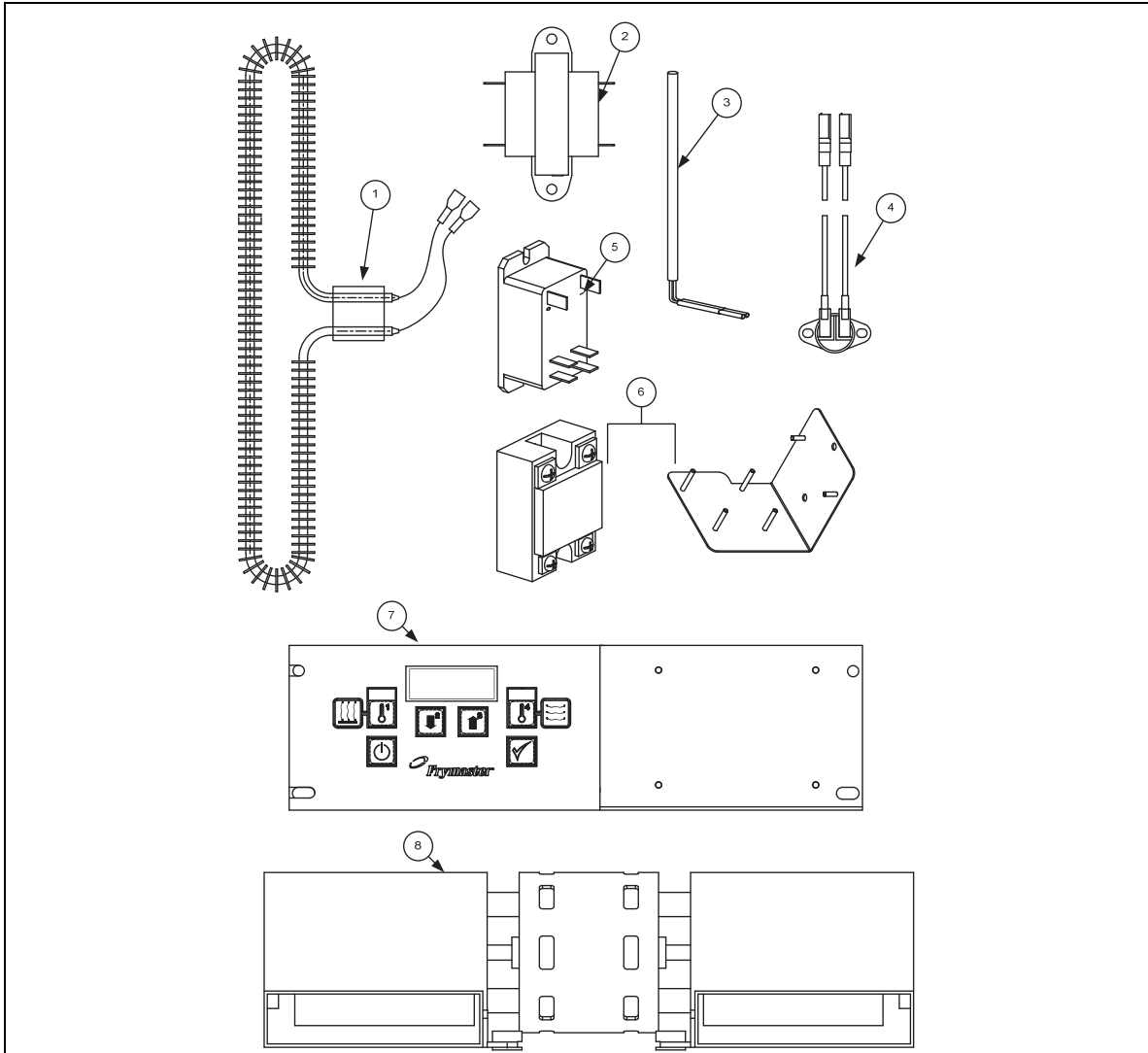
Where Used:

- McDonald's

Common Model Number:

- HLZ 18, HLZ 22

HLZ



#	Part #	Component
1	826-1549	Air heater kit, 208V
2	807-0979	Transformer 208/240/12V
3	807-3036	Air RTD Probe
*	807-3043	Thermocouple, Air
4	807-3631	Hi-limit
5	807-3021	Latch, relay
*	807-2819	20A fuse
*	807-2820	Fuse holder
6	826-2038	Air Relay Kit, 50-amp
*	826-1958	5-amp Plate relay kit
7	826-2535	Computer
8	826-1551	Blower kit, 208/240V
*	806-9238	Plate Assy, H22 Heater

Common Parts



Frymaster fryers use Viking pumps; Dean units have Haight pumps. The 4 GPM pump used in Frymaster fryers will fit in most units. The same can be said for Dean pumps, although 4GPM, 5GPM, and 8 GPM pumps are available.

What to Watch For:

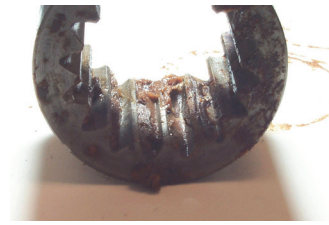
- Pumps are easily clogged. Don't replace a pump/motor assembly without cleaning the pump.

How to Order:

- Frymaster doesn't sell pump/motor assemblies to deter needless replacement of both components. Pumps and motors are listed separately, each with a gasket.

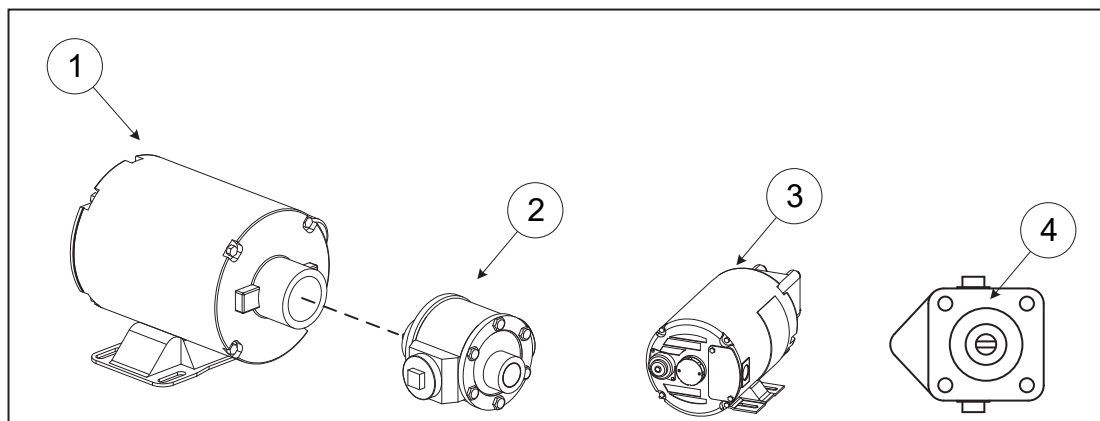
Other Common Parts

- Frequently requested common drain, cabinet and flex and gas line parts are also listed below.



It doesn't take much debris to clog a pump. The one above was believed failed and replaced. All it needed was cleaning. Warranty claims for functioning pumps are rejected.

Common Parts



#	Part #	Component
1	810-2100	Motor, 120-230 1/3 HP (used on 24G, Decathlon, Portable Filter (pre-2007))
*	826-1270	230/240V 50/60 Motor with Gasket
*	826-1755	Motor/Gasket 250v 50/60 Hz
*	826-1756	208V motor with gasket, (used on HE, Pro, RE and non-McD)
2	810-2098	Pump, 8GPM, Haight (pre-2007)
3	826-1712	120V motor w/gasket, used in FM, FP, FMP, Pro gas and RE/McD electric
*	816-0093	Gasket; used in Frymaster filter pump and filter motor kits
4	826-1264	Pump (4GPM) & Gasket Kit for PF50R, PF50S
*	826-3191	Kit, HD Pump, 4GPM, ZTF
*	826-3192	Kit, HD Pump 8GPM, ZTF (used on Dean fryers starting in 2007)
*	810-4291	Pump, Oil SDU Haight
Frequently Requested Common Fryer Parts		
*	807-2484	Valve, solenoid 1/4" NPTF FP3
*	816-0420	Square drain seal/connector
*	816-0772	Sleeve, Connector (round drains)
*	809-0969	Clamp, 3" T-bolt
*	826-3289	O-Rings, .739" I.D. (pkg. of 6)
*	826-1051	O-Ring Kit, for FMII or FPII Filter Systems
*	8261317	O-Rings, 1.36" I.D., for Footprint III Filter Pan Check Valve
*	810-1105	Magnet, (offset) door
*	810-0066	Catch, Magnetic Door
*	809-0171	Thumbscrew, 1/4" x 1 3/8 "
*	810-2793	Hanger, wire basket
*	826-2603	Pan Rails (used on FPP and FPPE from 2004 to 2008)
*	8261979	Kit, filter pan roller w/screws (used with 8262603)
*	807-2103	Microswitch, Straight Lever
	807-2104	Microswitch, Roller
	807-0012	Relay, Filter 24V
Flex Lines		
1082616SP	6.00 X 1/4 Npt W/Elb	
1083518	Assy, Lov Top-Off Pmp	

Common Parts

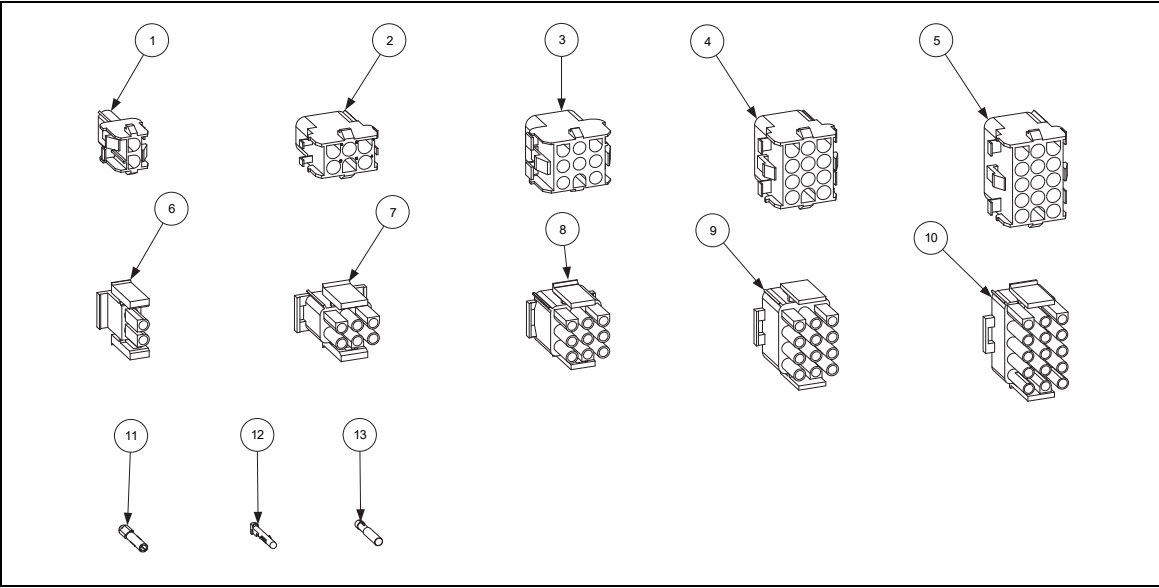
1084746	Assy, 2batt Topoff Pmp
8069437SP	Assy,15.5 W/Male Ends
8069438SP	Assy,14.0 W/Male Ends
8069439	Assy,14" With M/F End
8069439SP	Assy,14" With M/F End
8069441	Return Assy,F2S4 Oil
8069442	Return Assy,F24S6 Oil
8069443	Return Assy,FS24 Oil
8069444	Return Assy,31sf Oil
8069445	15.1 W/Male/Fml Ends
8069815	Assy, 8.5 W/ M/F Ends
8069828SP	Assy, W/Male & Female
8069846	8101056 W/Male Ends
8101043	7/8"Od-1/2"Id X 9.5"
8101054	10.5" Oil Return
8101055	5/8" X 11.50" Long
8101056	5/8" X 52.50" Long
8101057	5/8" X 13.00" Long
8101064	H50/52 8.0" Female Gas
8101065	H50/52 13.0" Gas
8101066	H50/52 Gas Male Gas
8101067	5/8"X 8.50" Long
8101068	5/8" X 21.50" Long
8101069	5/8" X 29.50" Long
8101086	7.50" Oil Return
8101159	5/8" X 5.00" Long
8101160	5/8" X 3.00" Long
8101339	5/8" X 4.50" Long
8101353	3/8od X 9 SS Hose
8101354	3/8od X 12 SS Hose
8101355	3/8od X 15 SS Hose
8101369	5/8" X 18.00" Long
8101370	9.00 X 1/2 ID
8101373	3/8"ID X 6"
8101399	1/2"OD X 6.03"
8101400	5/8" X 21.00" Long
8101435	1/2 X 12 SS Hose
8101436	3/8 X 18 SS Hose
8101465	Electric FAFS Drain
8101488	7.00 X 1/2 I.D.
8101519	1/2" Id X 11.00"

Common Parts

8101680	5/8" X 6.50" Long
8101701	Dormont 23"
8101713	14" (M/F) Oil Return
8101754	1/2 X 11 Male
8102320	5/8 X 9.00
8102472	3/8od X 4.5 SS Hose
8102473	3/8od X 21 S/S Hose
8102482	4" X 7/8-14
8102532	5/8" X 7.00" LONG
8102542	3/4"NPT X 18.5" Gas
8102787	1/2" X 5.00
8102847	Braided 1/2 X 17.00
8103039	1/2 X 7.00 Dormont
8103140	3/4" NPT X 24.50" Gas
8103263	1/2 OD X 36" Long
8103264	1/2" OD X 42" Long
8103265	1/2" OD X 24" Long
8103266	1/2" OD X 19.5" Long
8103375	1/2" X 17.00"
8103591	1/2" OD X 8" Long
8103635	1/2" OD X 45" Long
8103636	3/8" OD X 50" Long
8103662	3/8 OD X 21 S/S Hose
8103669	5/8" X 45" Long
8103686	1/2" OD X 80" Long
8103762	3/8" OD X 14 Long
8103763	3/8" OD X 31" Long
8103825	5/8" X 46.00" Long
8103826	5/8" X 39.00" Long
8103827	1/2" OD X 70" Long
8104129	1" OD X 14.00
8104204	1/2" ID X 8.50
8104205	1/2" ID X 7.00
8104278	3/4"X 14.00
8104461	3/4" X 36" Long
8104464	1/2" X 10.00"
8104466	1/2" X 14.00"
8105092	3/4"ID X 21" Long
8130547	7.00 X 1/2 I.D.

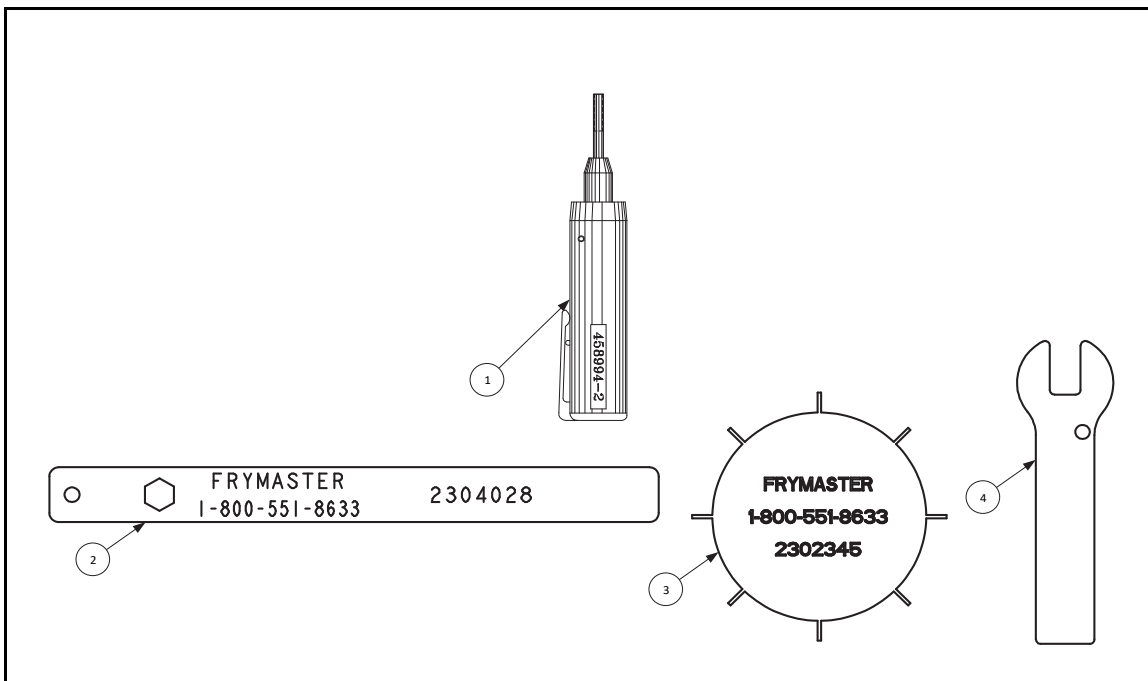
Common Parts

Wiring Connectors, Pin Terminals and Power Cords



ITEM	PART #	COMPONENT
Connectors and Tools		
1	8071068	2-Pin Female
2	8070158	6-Pin Female
3	8070156	9-Pin Female
5	8070159	12-Pin Female
5	8070875	15-Pin Female
6	8071067	2-Pin Male
7	8070157	6-Pin Male
8	8070155	9-Pin Male
9	8070160	12-Pin Male
10	8070804	15-Pin Male
11	8261341	Terminal, Female Split Pin (Pkg of 25)
12	8261342	Terminal, Male Split Pin (Pkg of 25)
13	8072518	Plug, Mate-N-Lock (Dummy Pin)
*	8074660PK	SMT Pin Service Repair Kit

Special Tools



#	Part #	Description
1	807-0928	Tool extract/pin pusher
2	230-4028	Spanner, element nut (used on RE elements)
*	815-0385	Socket 1" 6pt slot
*	815-0386	Socket 7/8" deep 6pt slot
*	817-0001	Tool roll Xcelite
*	817-0002	Gas pressure gauge
*	817-0003	Gas pressure gauge case
3	230-2345	Extractor pin, SMT, Micro amp
*	810-3146	½" NPT tap
4	240-1086	Wrench, pre-filter (used with on pre-filter)



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