1-3. INTRODUCTION

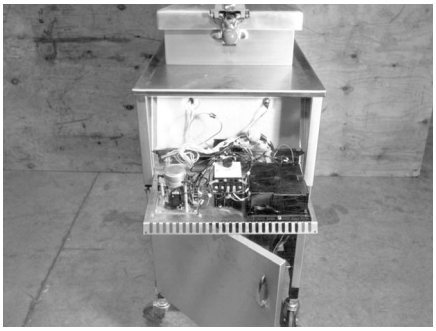
Installation of the KFC Computerized Control Panel on existing Henny Penny gas pressure fryers.

Disconnect the fryer from the electrical supply source before beginning panel conversion.

Failure to disconnect the fryer from the supply source could result in electrical shock.

The fryer internal wiring is numbered to correspond to the numbers on the wiring diagram, Figure 1.

1-4. CONTROL PANEL WIRE REMOVAL



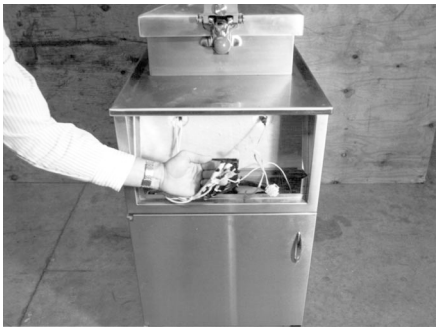
A. Remove the four screws holding the existing control panel in place.

B. Position the control panel for servicing by placing the lower edge of the control panel on top of fryer frame and door.

C. Identify the locations of the following wires. Reference wire diagram Figure 1.

Wire	Wire Number	Pin Number 9 Pin Conenctor	Location
Neutral	2	1	Main Power Switch
Motor	34	9	Main Power Switch
Motor	33	7	Main Power Switch
L 1	1	3	Main Power Switch
Fan	10	4	Main Power Switch
Solenoid	31	6	Main Timer
Solenoid	32	8	Soft/Crisp Switch
Hi Limit & Fan	8	2	Wiring Harness
Gas Valve	12	5	Gas Valve

1-5. NINE-PIN CONNECTOR WIRING



A. Remove the above wires from their existing position. These wires will be connected to the nine-pin connector provided.

B. Locate wires number 12, 8, and 11 at the fan motor. Remove the connector securing these wires. Wire number 11 can be discarded at this time. Wire number 12 will be connected to the nine-pin connector as noted on the wiring diagram. Wire number 8 from the fan motor will be joined with wire number 15 before it is connected to the nine-pin connector. Join these two wires using the twist-on wire connector provided.

C. Note the position of the wires on the nine-pin connector. Reference wiring diagram Figure 2. The wires on the connector will have corresponding numbers to those within the control panel.

D. Using the twist-on wire connectors provided, splice the corresponding wires together.

E. Wiring of the nine-pin connector is completed.

"Do not install the control panel at this time."

1-6. TEMPERATURE PROBE INSTALLATION

A. Drain the shortening from the cook pot to a level below the position of the thermostat pot fitting.

B. Remove the thermostat capillary tube from the cook pot as per section 5-11 of standard Henny Penny Service Manual.

C. Install the reducer fitting, Henny Penny part number FP01-024 into the pot wall fitting. Use pipe sealant to seal the pipe threads.

D. Install the compression fitting, part number 30094, Figure 3 into the reducer. Use pipe sealant to seal the pipe threads.

E. Install the new probe by inserting the probe into the compression fitting until the probe extends one-half (1/2) inch into the cook pot. Tighten the nut on the compression fitting a half a turn past the point where the fitting first becomes tight onto the probe.

CAUTION

Excess force will damage the probe.

F. Installation of the temperature probe is complete.

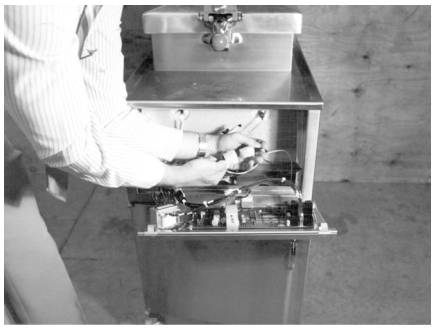
1-7. SLOT COVER

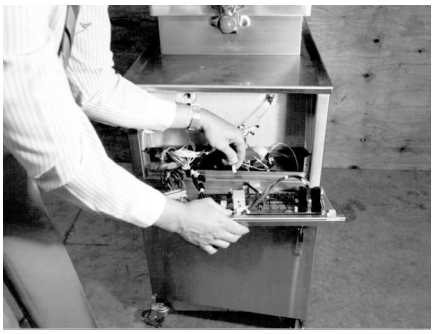
When installing the computerized panel retrofit kit, it is necessary to cover the existing slot in the heat shroud. This slot allows the capillary tube of the old control panel to extend through the heat shroud when mounting the old control.

A. Open door and push slot cover through shroud from bottom of the shroud.

B. Bend the 4 tabs of slot cover over the top of the heat shroud.

1-8. CONTROL PANEL INSTALLATION





A. The new computerized panel is positioned and installed exactly like the existing electromechanical control panel.

B. Place the computerized control panel on top of fryer frame and door.

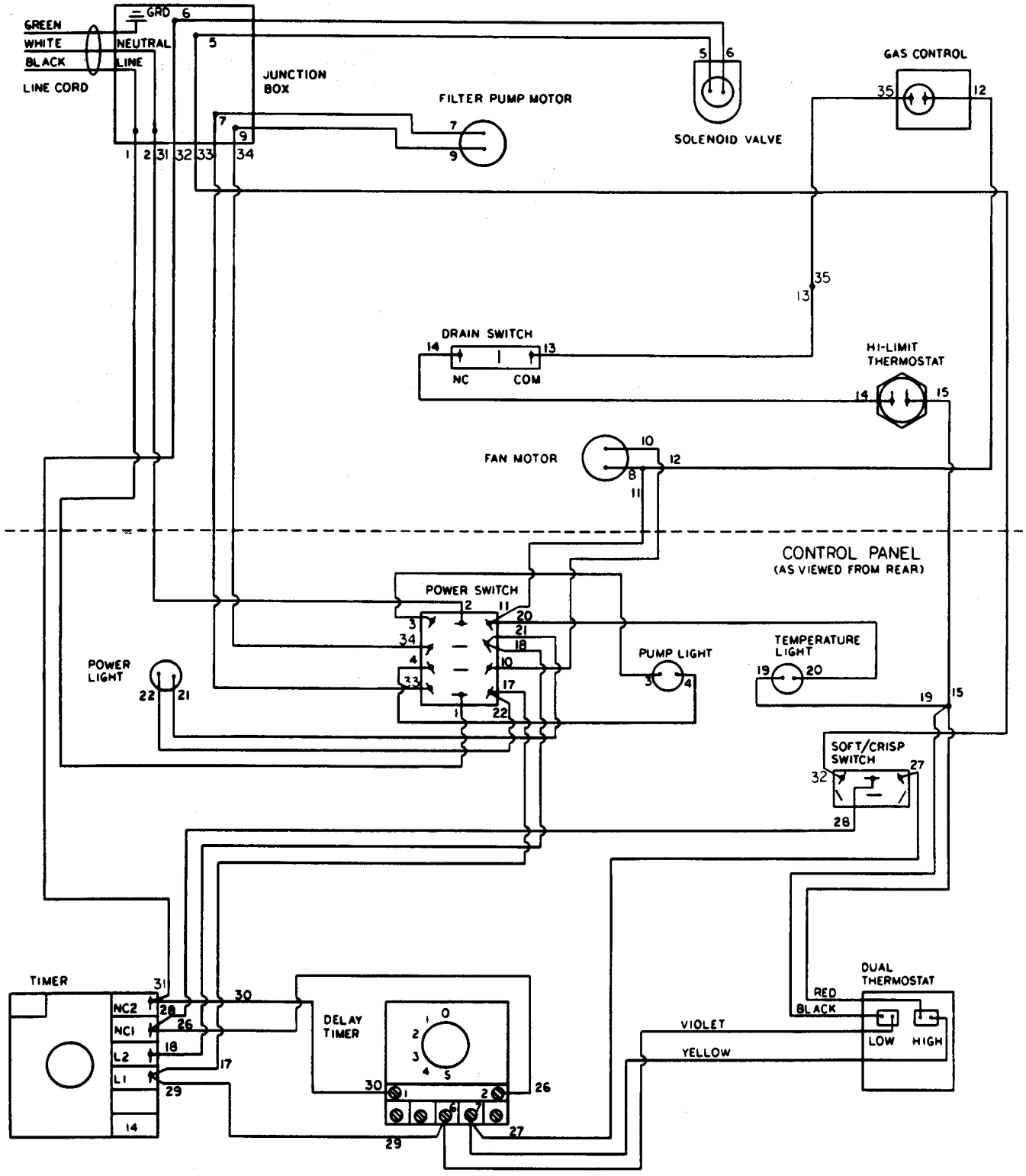
C. Mate the nine-pin connectors together. Refer to KFC gas wiring diagram.

D. Connect the temperature probe to the control panel board.

E. Install the control panel and two screws. When installed properly there will be approximately a 7/16 inch of a gap between the bottom of the control panel and fryer rail.

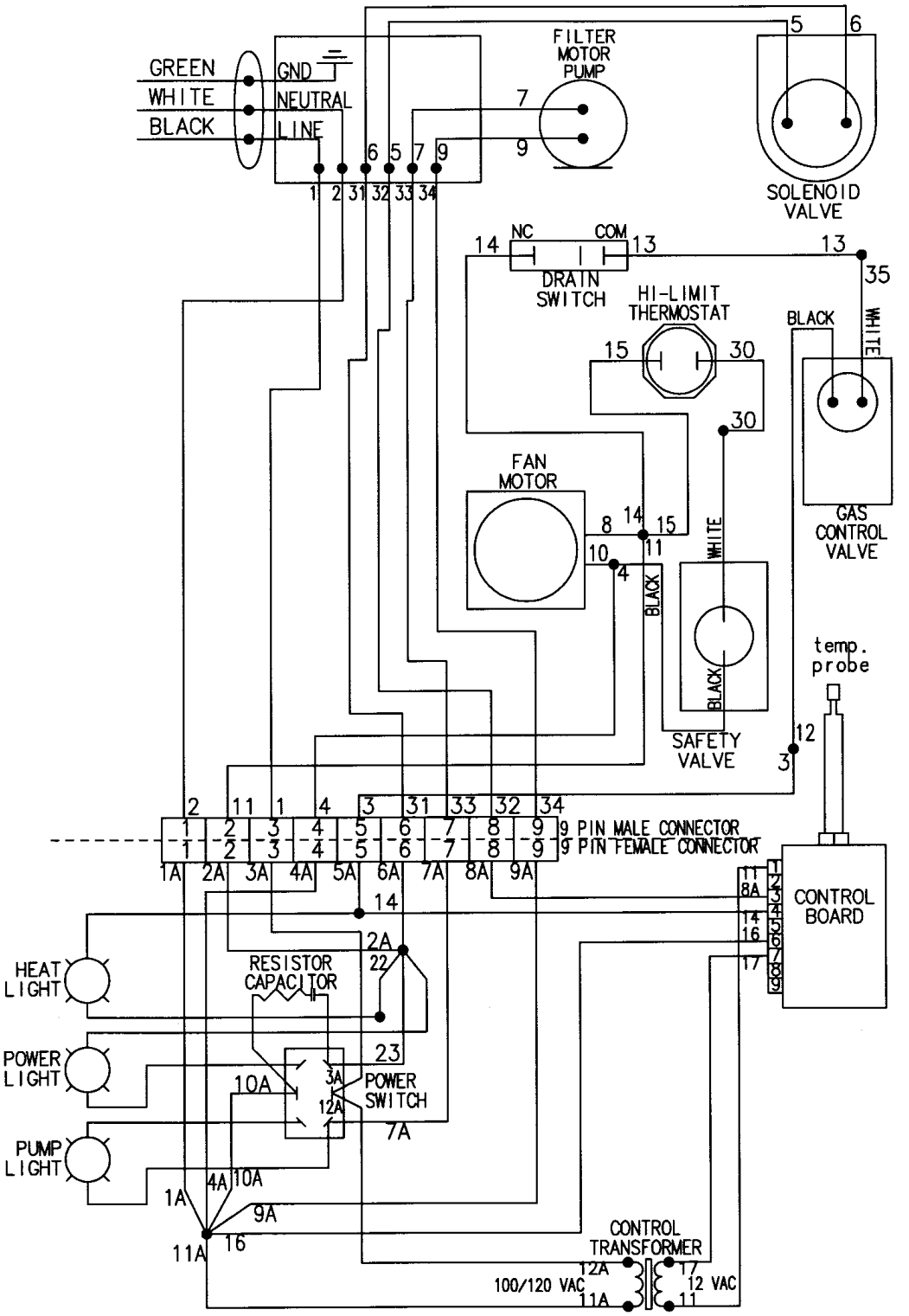
F. This completes the electrical and mechanical installation of the computerized control panel.

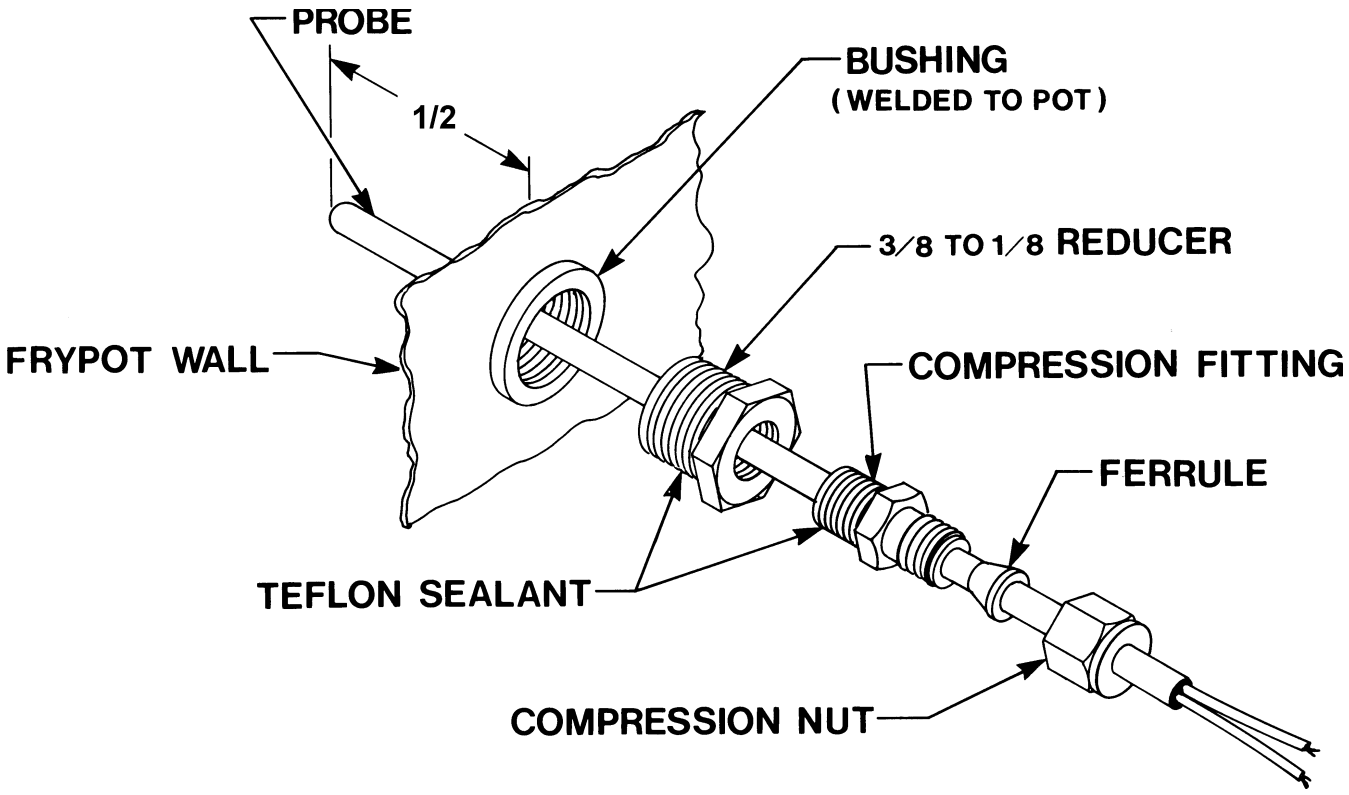
FIGURE 1

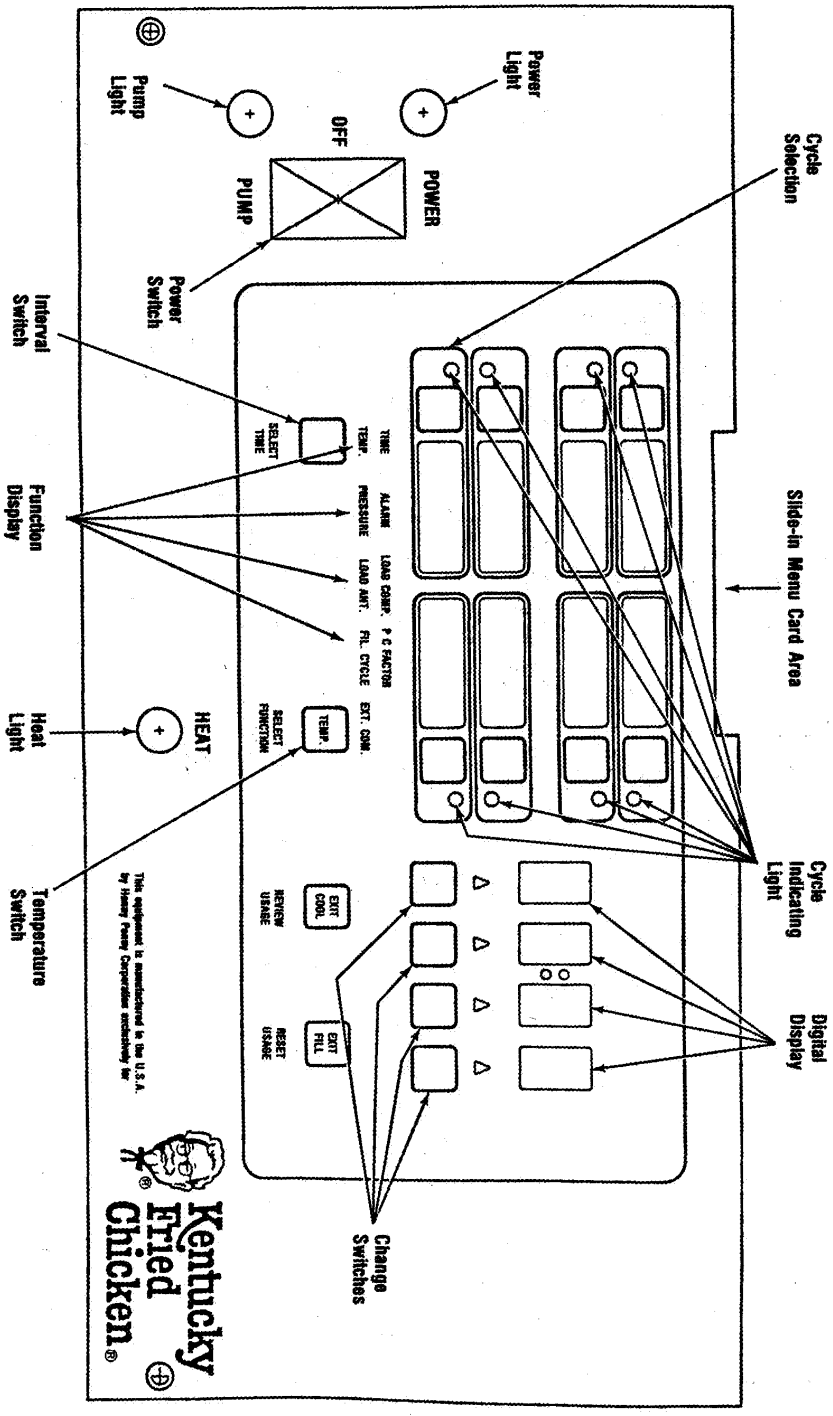


Model 600 KC Gas Fryer, Dual Indicating Thermostat, 120V, 60 Hz.
Wiring Diagram (17355)

FIGURE 2


GREEN
WHITE
BLACK
GND
NEUTRAL
LINE
FILTER MOTOR PUMP
SOLENOID VALVE
NC
COM
DRAIN SWITCH
HI-LIMIT THERMOSTAT
BLACK
WHITE
FAN MOTOR
GAS CONTROL VALVE
temp. probe
SAFETY VALVE
9 PIN MALE CONNECTOR
9 PIN FEMALE CONNECTOR
CONTROL BOARD
HEAT LIGHT
RESISTOR CAPACITOR
POWER LIGHT
POWER SWITCH
PUMP LIGHT
CONTROL TRANSFORMER
100/120 VAC
12 VAC
MODEL 600KFC PRESSURE FRYER
100V 50/60HZ 1 PH
HENNY PENNY CORP., EATON, OHIO 45320 29895


PROBE
1/2
BUSHING
(WELDED TO POT)
3/8 TO 1/8 REDUCER
FRYPOT WALL
COMPRESSION FITTING
FERRULE
TEFLON SEALANT
COMPRESSION NUT


Power Light
Pump Light
OFF
POWER
PUMP
Power Switch
Cycle Selection
Interval Switch
Function Display
Slide-in Menu Card Area
Cycle Indicating Light
Digital Display
Heat Light
Temperature Switch
Change Switches
TIME
TEMP.
ALARM
PRESSURE
LOAD COMP.
LOAD ANT.
F/L CYCLE
P C FACTOR
EXT. CLNG.
SELECT TIME
TEMP
SELECT FUNCTION
HEAT
EXIT COOL
REVIEW USAGE
EXIT FILL
RESET USAGE
Kentucky Fried Chicken®