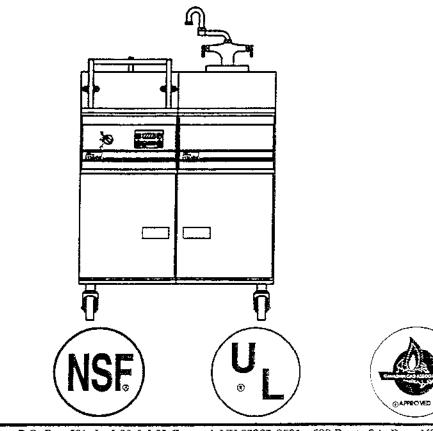
SERVICE SECTION



There's Always Something Cooking!

Service, Parts, and Schematics
For Gas Pasta Cookers with Options

Covering Models PPG14D, PG14D, and RS14D



Pitco Frialator, Inc.,

P.O. Box 501, Jct I-89 & I-93 Concord, NH 03302-0501 • 509 Route 3A, Bow, NH 03304 (800) 258-3708 • (603) 225-6684 • FAX (603) 225-8497

NOTICES

There are three different types of notices that you should be familiar with, a NOTICE, CAUTION, and WARNING. A NOTICE is a special note used to call attention to a particularly important point. CAUTION is used to point out a procedure or operation which may cause equipment damage. The WARNING notice is the most important of the three because it warns of an operation that may cause personal injury. Please familiarize yourself with your new cooker before operating it and heed the notices throughout this manual. The WARNINGS are listed below and on the following page for your review prior to operating the unit.

FOR YOUR SAFETY

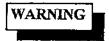
DO NOT store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

TO THE PURCHASER

POST IN A PROMINENT LOCATION INSTRUCTIONS TO BE FOLLOWED IN THE EVENT THAT AN OPERATOR SMELLS GAS. OBTAINTHIS INFORMATION FROM YOUR LOCAL GAS SUPPLIER.

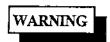
THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE



The cooker must be electrically grounded in accordance with local codes. If local codes do not apply, follow the requirements of National Code ANSI/NFPA 70-1990.



This cooker is equipped with a three prong safety plug. This safety plug protects operators from electrical shock in the event of an equipment malfunction. DO NOT remove the grounding (third) prong from this plug.



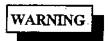
DO NOT use an open flame to check for gas leaks!



A cooker that is equipped with casters and a flexible power cord must be connected to the gas supply with a Quick-Disconnect device. This quick disconnect must comply with ANSI Z24.41-1989. A restraining cable must be installed to limit the movement of the cooker.



There is an open gas flame inside the cooker. The unit may get hot enough to set nearby materials on fire. Keep the area around the cooker free from combustible materials.



Ensure that the cooker can get enough air to keep the flame burning correctly. If the flame is starved for air it can give off dangerous carbon monoxide. Carbon Monoxide is a clear odorless gas that can cause suffocation and death.



Be sure the burner tubes are COMPLETELY covered with water before lighting the pilot or main burners. If the tubes are exposed, the cooker may overheat, causing damage to the kettle, creating a fire hazard, and voiding the warranty.

SAFETY SAFETY SAFETY SAFETY



Carbon monoxide can build up if the flue is blocked. Blocking the flue will also cause the cooker to overheat. Ensure that minimum clearances specified in the installation instructions are maintained. DO NOT obstruct the flow of combustion/ventilation or air opening around the cooker. Adequate clearance around the cooker is necessary for servicing and proper burner operation. Ensure that you meet the minimum clearances specified in the installation instructions.



The power supply must be disconnected before servicing or cleaning the appliance.



For gas cookers, DO NOT supply the cooker with a gas that is not listed on the data plate. If you need to convert the cooker to another type of fuel, contact your dealer.

WARNING

For gas cookers, WAIT five (5) minutes before attempting to relight the pilot. This allows time for any gas remaining in the cooker to dissipate.



NEVER remove fuses from the cooker until the cooker is unplugged from the facility power supply.

THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE

SAFETY SAFETY SAFETY SAFETY

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CHAPTER 4: SERVICE

This chapter provides the replacement and troubleshooting procedures necessary to service the Pitco Frialator Gas Pasta Perfect cookers.

4.1 REPLACEMENT PROCEDURES

These procedures are provided as a guide to removal and replacement of various cooker components. If a test is required to verify component operation after installation, the test will be referenced.



To prevent burns, always ensure the cooker is completely SHUT DOWN and COOLED down before performing any work. Do not break any gas connections while the cooker is connected to a gas supply line.



The power supply must be disconnected before servicing or cleaning the cooker.

4.1.1 Main Burner Removal and Replacement

- Loosen the set screw in the base of the burner casing.
- b. Unscrew and remove the two hex head screws at the top of the burner.
- c. Loosen the set screw on the air collar. Lift the burner and air collar up to clear the top of the burner fitting. Remove the burner from the cooker.
- To re-install the burner, reverse the procedure.

4.1.2 Changing the Main Burner Orifice

- a. Unscrew the orifice with a 3/8" wrench and remove the orifice.
- b. Insert the new orifice and tighten with the 3/8" wrench. Ensure the orifice is tight enough to prevent gas leakage around the orifice.

4.1.3 Replacing the Heat Baffles

- Remove the Main Burner as described in 4.1.1.
- b. The heat baffles are located inside the heat tubes. They are attached to the rear of the baffle supported by tack welds. Using a chisel, break away the baffle support and remove the old baffles. Be careful not to puncture the heat tubes because this will require complete tank replacement.
- c. Insert the new baffles in the tubes in the original position. The new baffles sit in position and not not require welding.
- d. Install the main burners.

4.1.4 Pilot Burner Removal and Replacement

- a. Unscrew the tubing nut from the pilot tubing connection at the gas valve. Disconnect the thermopile from the connection on the gas valve.
- b. Unscrew and remove the two screws that attach the pilot assembly to the cooker vat. Lift the entire pilot assembly out of the cooker.
- c. To replace the pilot assembly, reverse the procedure.

4.1.5 Pilot Orifice Replacement

- a. Remove the pilot assembly as described in 4.1.4.
- b. Unscrew the tubing nut from the pilot tubing connection at base of the pilot burner. The pilot orifice is located inside the tubing connection.
- c. Remove the orifice and replace with the new orifice. Ensure the orifice is tight enough to prevent gas leakage around the orifice.
- d. Replace the tubing nut in the pilot tubing connection and tighten the tubing nut tight enough to prevent gas leakage.
- e. Replace the pilot assembly and adjust the pilot flame as described in 1.5.2.

4.1.6 Thermopile Replacement

- a. Remove the pilot assembly as described in 4.1.4.
- b. Unscrew and remove the thermopile from the pilot assembly.

- Remove from gas valve magnet.
- d. Insert the new thermopile in the pilot assembly.
- e. Replace the pilot assembly and adjust the pilot flame as described in 1.5.2.

4.1.7 Thermostat Replacement

This procedure only applies to NON-Digital controlled units

- a. Drain the water from the cooking/warming section tank.
- Open the cooking/warming section door.
- c. Remove the wires from the thermostat located on the left hand side of the tank.
- d. Remove the screws holding the thermostat to the tank.
- e. Remove the thermostat.
- f. Place sealant on the new thermostat.
- g. Install the thermostat in the tank.
- h. Replace the screws and tighten them.
- i. Replace the wires.

4.1.8 Limit Control Replacement

The limit control includes a temperature sensor inside the cooker tank, control unit inside the cooker cabinet, and connecting capillary tubing. The high limit control temperature sensor looks like the thermostat temperature sensor, so ensure that the correct temperature sensor is removed.

CAUTION

The limit control capillary tubing is very delicate. Be VERY CAREFUL when working with the capillary tubing. The limit control is no longer usable if the tubing is kinked or broken.

- a. Drain the water from the cooker and remove the heat tube screens.
- b. The limit control probe (heat sensor) is clamped to the heat tube inside the kettle. Unscrew and remove the two screws in the probe clamp.

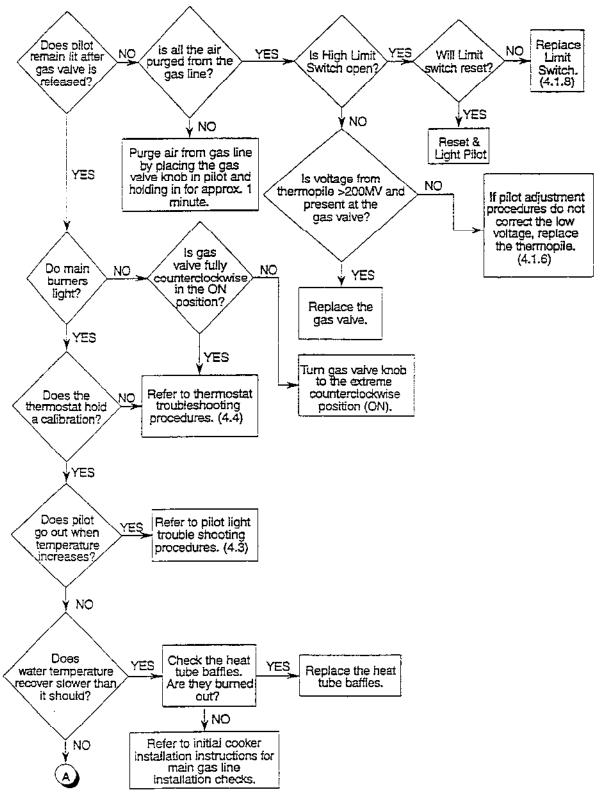
- c. Remove the probe from the clamp and straighten the capillary tubing. Unscrew the small hex nut inside the cabinet at the bottom of the tank for the limit control.
- d. Unscrew the large connector nut from the vat and pull the probe and capillary tubes through the opening.
- e. Remove the two mounting screws from the limit control bracket and remove the limit control unit. Mark and disconnect the wires from the limit control box.
- f. Reverse the above procedures to install the new limit control.
- g. Use pipe joint compound on the large fitting before installing to prevent oil leakage. DO NOT use joint compound on the small nut.

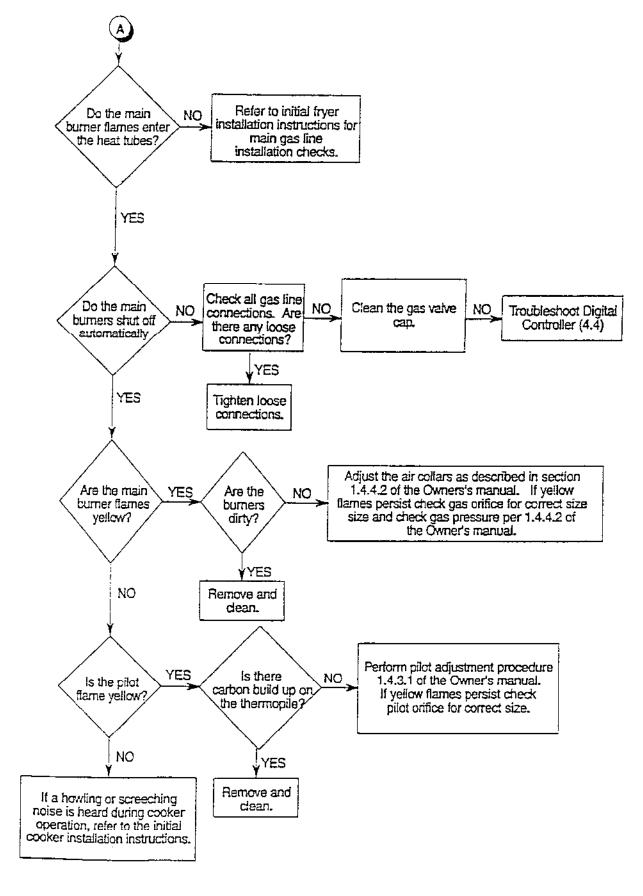
4.1.9 Basket Lift Motor Replacement

- a. Disconnect the cooker from the power source.
- b. Drain the water from the cooking/warming section tank.
- c. Pull the cooker away from the enclosure.
- d. Remove the rear cover.
- e. Remove the nut from the motor shaft.
- f. Remove the screw connecting the linkage bar to the guide assembly.
- g. Remove the inside panel.
- h. Remove the four (4) screws holding the motor to the panel.
- i. Remove/replace the motor.
- j. Install and tighten the four (4) screws holding the motor to the panel.
- k. Replace the inside panel.
- Connect the linkage bar to the guide assembly and reinstall screw.
- m. Reinstall the linkage rod on the motor shaft and secure with the nut that was removed.
- Replace the rear cover.
- Place the cooker back in its position.

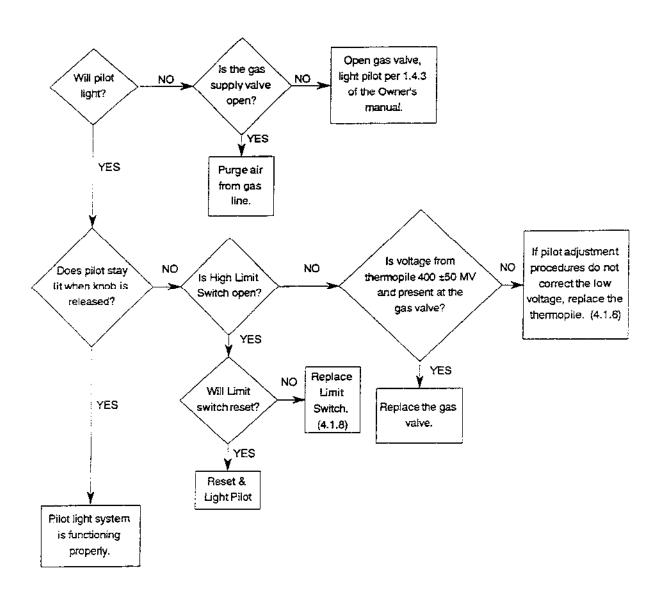
p. Connect the cooker to the power source.

4.2 TROUBLESHOOTING MAIN BURNER SYSTEMS

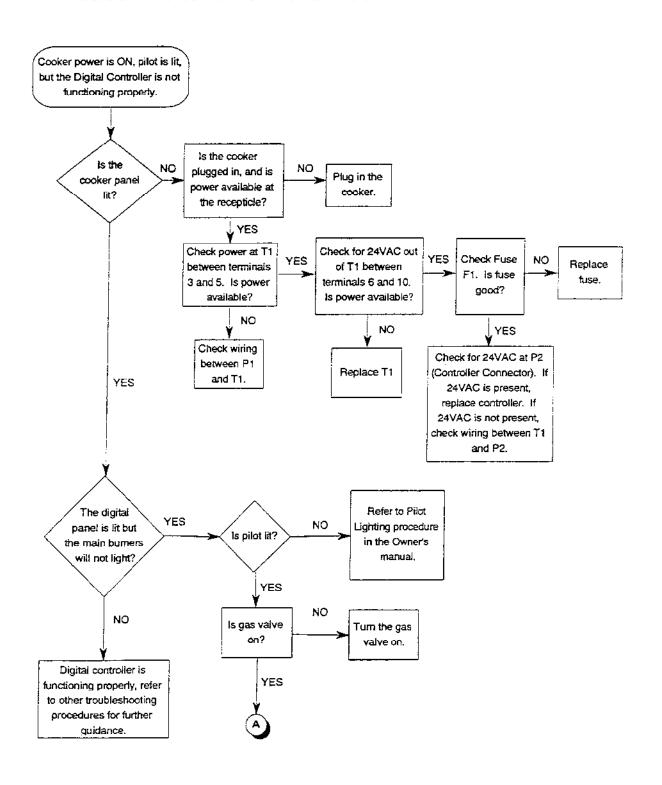


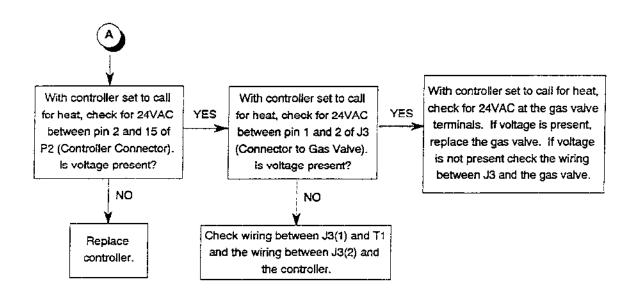


4.3 TROUBLESHOOTING PILOT LIGHTS

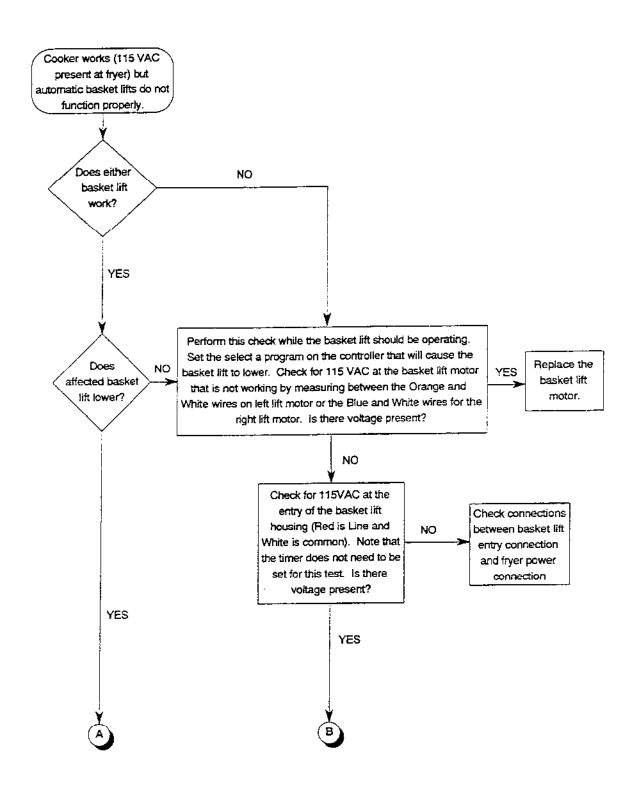


4.4 TROUBLESHOOTING DIGITAL CONTROLLERS





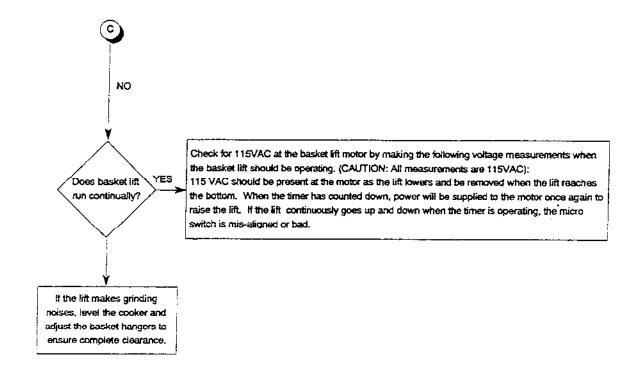
4.5 TROUBLESHOOTING BASKET LIFT PROBLEMS



Check for 24VDC from the controller at the input to the basket lift relays (K1 & K2) by making the following voltage measurements. Select a program on the controller that should cause the basket lift to function. check for the 24 VDC while the basket lift should be running: Right Relay (K2) - Yellow (common) and Blue (+) - Expected Result 24 VDC present. Left Relay (K1) - Yeilow (common) and Blue (+) - Expected Result 24 VDC present Did the voltage check perform with the Expected Results? NO Refer to YES Troubleshooting Controllers. Check for 115VAC at the basket lift relays (K1 & K2) by making the following voltage measurements with the controller NOT set. (CAUTION: All measurements are 115VAC): NO Right Relay (K2) - White (common) and Yellow (Line) - Expected Result 115 VAC. Right Relay (K2) - White (common) and Blue (Line) - Expected Result 0 VAC. Left Relay (K1) - White (common) and Red (Line) - Expected Result 115 VAC. Left Relay (K1) • White (common) and Orange (Line) - Expected Result 0 VAC. Did the relays perform with the Expected Results? NO YES Check connections at relays. Replace relay if connections are good. Check for 115VAC at the basket lift relays (K3 & K4) by making the following voltage measurements with the controller SET. (CAUTION: All measurements are 115VAC): Right Relay (K2) - White (common) and Yellow (Line) - Expected Result 0 VAC. Right Relay (K2) - White (common) and Blue (Line) - Expected Result 115 VAC. Left Relay (K1) - White (common) and Red (Line) - Expected Result 0 VAC present. Left Relay (K1) - White (common) and Orange (Line) - Expected Result 115 VAC. Did the relays perform with the Expected Results? NQ Check connections at relays. Replace timer if connections are good. YES

Check for 115VAC at the basket lift Micro Switch (MS) by making the following voltage measurements when the basket lift should be operating. (CAUTION: All measurements are 115VAC):
Right MS - White (common) and Blue (Line) - Expected Result 115 VAC present.
Left MSr - White (common) and Red (Line) - Expected Result 115 VAC present.
Voltage will be present at these points only when the lift(s) is lowering. If voltage is not present, either the switch is malfunctioning or the wiring between the timer and the switch is bad. If the lift stops or starts in the wrong position the miscrewitch could be misaligned.

NO



CHAPTER 5: PARTS

This chapter contains listings of the components used in the Pasta Perfect Cooker models PPG14D, PG14D and RS14D.

At the end of this chapter there are alphabetical and numerical listings of all parts used in the fryer. The alphabetical part list is arranged in alphabetical order according to the part name. Each part name also has the Pitco Frialator part number. The numerical list is in Pitco Frialator part number order. A brief description of each component is provided for each part.

ALPHABETICAL PART LIST

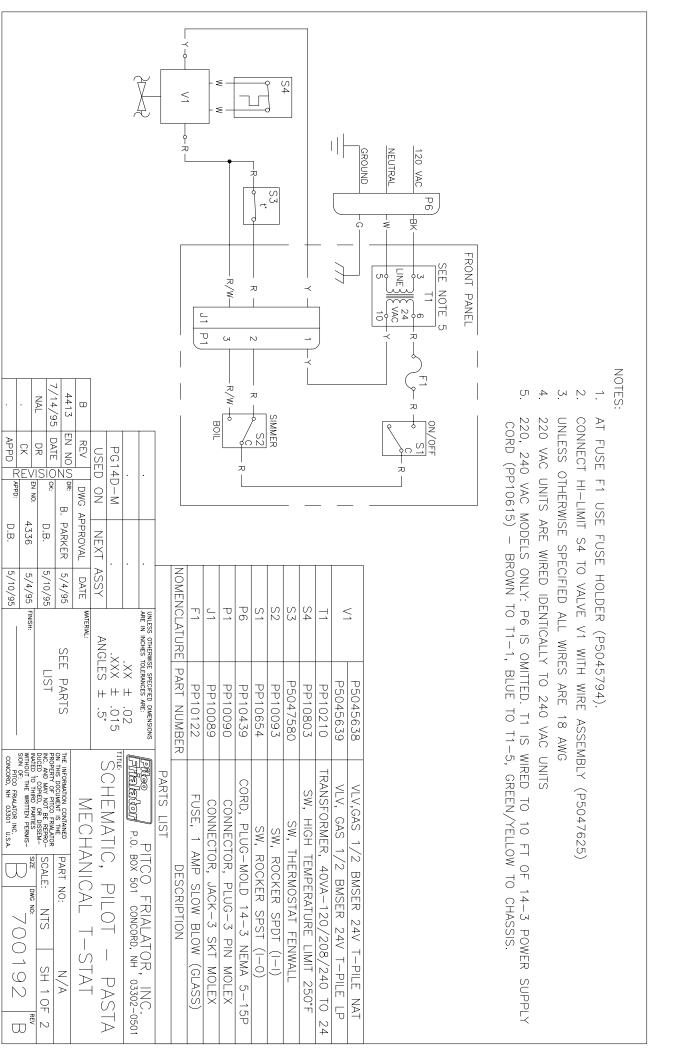
Part Description		Pitco Frialator
CONNECTOR, JACK-3 SOCKET MOLEX CONNECTOR, JÁCK-6 SOCKET MOLEX CONNECTOR, PLUG-15 PIN MOLEX CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-8 PIN MOLEX CONNECTOR, PLUG-9 PIN MOLEX CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F PP10803 MOTOR, GEAR, 120V, 60HZ, LH MOLON PP10929 MOTOR, GEAR, 120V, 60HZ, RH MOLON PP10928 MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	Part Description	Part Number
CONNECTOR, JACK-3 SOCKET MOLEX CONNECTOR, JÁCK-6 SOCKET MOLEX CONNECTOR, PLUG-15 PIN MOLEX CONNECTOR, PLUG-15 PIN MOLEX CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-8 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10928 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	CONNECTOR, JACK-4 SOCKET MOLEX	PP10203
CONNECTOR, JACK-6 SOCKET MOLEX CONNECTOR, PLUG-15 PIN MOLEX CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-3 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10928 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS		PP10089
CONNECTOR, PLUG-15 PIN MOLEX CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-3 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10928 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS		PP10205
CONNECTOR, PLUG-4 PIN MOLEX CONNECTOR, PLUG-3 PIN MOLEX CONNECTOR, PLUG-6 PIN MOLEX CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS		PP10518
CONNECTOR, PLUG-6 PIN MOLEX CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P PP10439 FUSE, 1 AMP, SLOW BLOW (GLASS) PP10122 HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10928 MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PP10979 RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS		
CONTROLLER, PASTA EP3300 CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	CONNECTOR, PLUG-3 PIN MOLEX	PP10090
CORD, PLUG MOLDED, 14-3 NEMA 5-15P FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	CONNECTOR, PLUG-6 PIN MOLEX	
FUSE, 1 AMP, SLOW BLOW (GLASS) HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PP10930 PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	CONTROLLER, PASTA EP3300	
HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	CORD, PLUG MOLDED, 14-3 NEMA 5-15P	1
MOTOR, GEAR, 120V, 60HZ, LH MOLON MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON PP10931 MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	FUSE, 1 AMP, SLOW BLOW (GLASS)	
MOTOR, GEAR, 120V, 60HZ, RH MOLON MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F	l .
MOTOR, GEAR, 220/240V, 60HZ, LH MOLON MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS	MOTOR, GEAR, 120V, 60HZ, LH MOLON	_ ====:::
MOTOR, GEAR, 220/240V, 60HZ, RH MOLON PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS PP10930 PP10930 PP10679 PP10679 PP10654 PP10093 PP10054 PP100930 PP10679 PP10	MOTOR, GEAR, 120V, 60HZ, RH MOLON	
PROBE, THERMOSTAT RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS PP10679 PP10679 PP10679 PP10679 PP10679 PP10654 PP10654 PP10093 PP10093 PP10210 PP10210 PP10210		
RELAY, 24VDC - SPST SWITCH, ROCKER SPST (1-0) SWITCH, ROCKER SPST (1-1) SWITCH, ROLLER - SPST (BASKETLIFT) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS P5046690 PP10654 PP10093 P5047169 P5047580 PP10210 PP10210	MOTOR, GEAR, 220/240V, 60HZ, RH MOLON	1
SWITCH, ROCKER SPST (1-0) PP10654 SWITCH, ROCKER SPST (1-1) PP10093 SWITCH, ROLLER - SPST (BASKETLIFT) P5047169 SWITCH, THERMOSTAT FENWALL P5047580 TRANSFORMER, 40VA - 120/208/240 TO 24V PP10210 VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS P5045639	PROBE, THERMOSTAT	1
SWITCH, ROCKER SPST (1-1) PP10093 SWITCH, ROLLER - SPST (BASKETLIFT) P5047169 SWITCH, THERMOSTAT FENWALL P5047580 TRANSFORMER, 40VA - 120/208/240 TO 24V PP10210 VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS P5045639	· · · · · · · · · · · · · · · · · · ·	
SWITCH, ROCKER SIST (191) SWITCH, ROLLER - SPST (BASKETLIFT) P5047169 SWITCH, THERMOSTAT FENWALL P5047580 TRANSFORMER, 40VA - 120/208/240 TO 24V PP10210 VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS P5045639		
SWITCH, ROLLER SIST (E/DIAZTER 1) SWITCH, THERMOSTAT FENWALL TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS P5047580 PP10210 P5045639		
TRANSFORMER, 40VA - 120/208/240 TO 24V VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS PF10210 P5045639		[··
VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS P5045639		
VALVE, OAD 1/2 DIVIDENCE OF THE DEC. OF THE		
VALVE, GAS 1/2 BMSER 24V T-PILE NATURAL GAS P5045638		1
	VALVE, GAS 1/2 BMSER 24V T-PILE NATURAL GAS	P5045638
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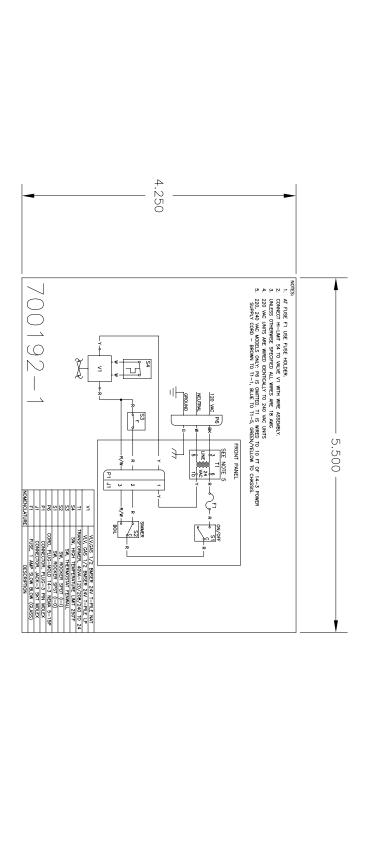
NUMERICAL PART LIST

Pitco Frialator	
Part Number	Part Description
PP10089	CONNECTOR, JACK-3 SOCKET MOLEX
PP10090	CONNECTOR, PLUG-3 PIN MOLEX
PP10202	CONNECTOR, PLUG-4 PIN MOLEX
PP10203	CONNECTOR, JACK-4 SOCKET MOLEX
PP10204	CONNECTOR, PLUG-6 PIN MOLEX
PP10205	CONNECTOR, JACK-6 SOCKET MOLEX
PP10518	CONNECTOR, PLUG-15 PIN MOLEX
PP10939	CONTROLLER, PASTA EP3300
PP10439	CORD, PLUG MOLDED, 14-3 NEMA 5-15P
PP10122	FUSE, 1 AMP, SLOW BLOW (GLASS)
PP10803	HI-LIMIT SWITCH ASSEMBLY, LIMIT 250°F
PP10929	MOTOR, GEAR, 120V, 60HZ, LH MOLON
PP10928	MOTOR, GEAR, 120V, 60HZ, RH MOLON
PP10931	MOTOR, GEAR, 220/240V, 60HZ, LH MOLON
PP10930	MOTOR, GEAR, 220/240V, 60HZ, RH MOLON
PP10679	PROBE, THERMOSTAT
P5046690	RELAY, 24VDC - SPST
PP10654	SWITCH, ROCKER SPST (1-0)
PP10093	SWITCH, ROCKER SPST (1-1)
P5047169	SWITCH, ROLLER - SPST (BASKETLIFT)
P5047580	SWITCH, THERMOSTAT FENWALL
PP10210	TRANSFORMER, 40VA - 120/208/240 TO 24V
P5045639	VALVE, GAS 1/2 BMSER 24V T-PILE LP GAS
P5045638	VALVE, GAS 1/2 BMSER 24V T-PILE NATURAL GAS

CHAPTER 6: SCHEMATICS

Schematic Description	Schematic Number
SCHEMATIC, PILOT - PASTA MECHANICAL T-STAT	700192
SCHEMATIC, PILOT - PASTA WITH DIGITAL TIMER	700193

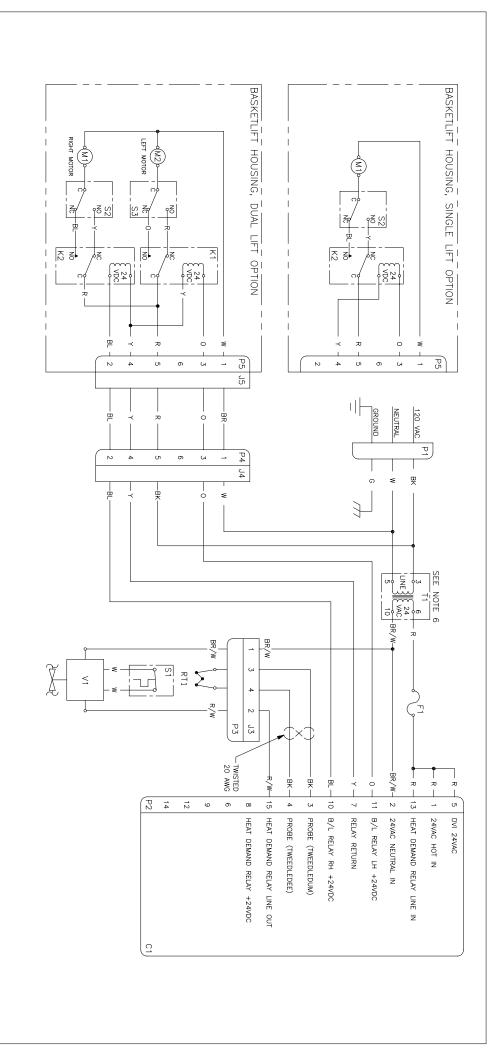




NOTES:

- MAT'L: 2 MIL WHITE MYLAR WITH 1 MILL CLEAR CAP.
- ALL LETTERING, LINES AND SYMBOLS TO BE BLACK IN COLOR.
- 3. 2 LABEL BACK TO HAVE PRESSURE SENSITIVE L-23 ADHESIVE WITH SPLIT LINER.

SIZE DWG NO:	SCALE:	PART NO:
	SIN	NO:
)192	SH 2 OF 2	700192-1



\vdash	PARTS LIST		
	DESCRIPTION	PART NUMBER	NOMENCLATURE PART NUMBER
	CONTROL, PASTA EP3300	PP10939	C1
	FUSE, 1 AMP SLOW BLOW (GLASS)	PP10122	F1
	CONNECTOR, JACK-4 SKT MOLEX	PP10203	J3
_	CONNECTOR, JACK-6 SKT MOLEX	PP10205	J4, J5
	RELAY, 24VDC — SPDT	P5046690	K1, K2
	MOT, GEAR 220/240V 60HZ LH MOLON	PP10931	ZIM
_	MOT, GEAR 120V 60HZ LH MOLON	PP10929	<u>S</u>
	MOT, GEAR 220/240V 60HZ RH MOLON	PP10930	191.1
_	MOT, GEAR 120V 60HZ RH MOLON	PP10928	2
ш	CORD, PLUG-MOLD 14-3 NEMA 5-15P	PP10439	P1
	CONNECTOR, PLUG-15 PIN MOLEX	PP10518	P2
ш	CONNECTOR, PLUG-4 PIN MOLEX	PP10202	P3
	CONNECTOR, PLUG-6 PIN MOLEX	PP10204	P4, P5
	PROBE, THERMISTOR	PP10679	RT1
	SW, HIGH TEMPERATURE LIMIT 250° F	PP10803	S1
$\overline{}$	SW, ROLLER-SPDT (BASKETLIFT)	P5047169	S2, S3
	TRANSFORMER, 40VA-120/208/240 TO 24	PP10210	T1
	VLV, GAS 1/2 BMSER 24V T—PILE LP	P5045639	<
$\overline{}$	VLV,GAS 1/2 BMSER 24V T-PILE NAT	P5045638	<u> </u>

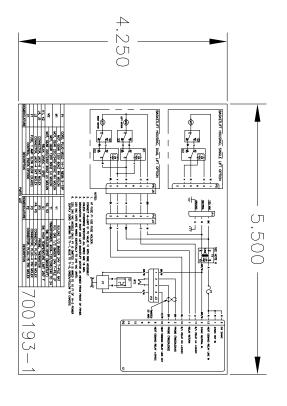
NOTES:

- AT FUSE F1 USE FUSE HOLDER (P5045794).
- CONNECT HI-LIMIT S1 TO VALVE V1 WITH WIRE ASSEMBLY (P5047625).
- . З . Р UNLESS OTHERWISE SPECIFIED ALL WIRES ARE 18 AWG.
- DESIGNATION OF RIGHT AND LEFT BASKETLIFT MOTOR AS VIEWED FROM FRONT OF FRYER.
- 220 VAC UNITS ARE WIRED IDENTICALLY TO 240 VAC UNITS.

თ ა 4.

220, 240 VAC MODELS ONLY: P1 IS OMITTED. T1 IS WIRED TO 10 FT OF 14-3 POWER SUPPLY CORD (PP10615) - BROWN TO T1-1, BLUE TO T1-5, GREEN/YELLOW TO CHASSIS.

		NAL	7/14/95	4413	æ				
APPD	5	DR C	DATE	EN NO	REV	USEI	PG		
APPO:		NO.	10I 8	A A A2	DWG /	USED ON	PG14D		•
D.B.	4336	0.0.	5	EN NO S PARKER		NEXT ASSY			
5/10/95	5/5/95 FINISH:	3/10/53	n co	5/5/95	DATE	ASSY			
			101	SEE PARTS	MATERIAL:	ANGLES ± .5°	.XXX ± .015	.XX ± .02	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
THE INFORMATION CONTAINED IN THIS PROCURED IS THE REPORTY OF PIPEO FRUIATION (INC. AND MAY NOT BE REPORD. OCHED, OR DISSEMMENT OF THE REPORD PARTIES WITHOUT THE WRITTEN PERMISSION OF: CONCORD, MY 0.3301 U.S.A.				≦	OCTEMATO, TECT TAGE		[月]] P.O. BOX 501 CONCORD, NH 03302-050	PII (Segural PII	
700193		CALE: NIV		PART NO:	WIH DIGHAL IMEX) D= OT	OX 501 CONCORD,	PITCO FRIALATOR
+ \ (\	η η η	VH I CH	2 3	N/A	MET.		D ^ C T ^	NH 03302-0501	OR, INC.



NOTES:

- MAT'L: 2 MIL WHILE MILAR WITH THE SAND SYMBOLS TO BE BLACK IN COLOR.
 LABEL BACK TO HAVE PRESSURE SENSITIVE L-23
 ADHESIVE WITH SPLIT LINER.

INATED TO THIRD PARTIES WITHOUT THE WRITTEN PERMISSION OF: PITCO FRIALATOR INC. CONCORD, NH 03301 U.S.A.	INC. AND MAY NOT BE REPRO-	THE INFORMATION CONTAINED ON THIS DOCUMENT IS THE
SIZE DWG NO:	SCALE: NTS	PART NO:
00193 B	SH 2 OF 2	700193-1

In the event of problems with or questions about your order, please contact the Pitco Frialator factory, from 8:00 a.m. - 5:00 p.m., Eastern Standard Time, Monday through Friday, toll-free at:

1/800/258-3708 (USA/Canada) 1/603/225-6684 (World Wide) In the event of problems with or questions about the equipment, please contact your local ASAP (Authorized Service and Parts) representatives through the ASAP network:

1/800/356-1008 (USA/Canada) 1/603/225-6684 (World Wide)