

SECTION 3. ERROR CODES

3-1. INTRODUCTION

This section provides error codes and their information in the form of an easy-to-read table.

If a problem occurs during the first operation of a new fryer, recheck the installation section of the 500/561/600 Operator's manual.

3-2. ERROR CODE TABLE

In the event of a control system failure, the digital display shows an error message coded as follows: "E-1", "E-4", "E-5", "E-6", "E-10", "E-15", "E-20-A,B,C,D", "E-25", "E-26", "E-27", "E-41", "E-46", "E-47", "E-48", "E-70A", "E-70B", & "E-92". An alarm sounds when an error code is displayed, and to silence this alarm, press any button.

DISPLAY	CAUSE	PANEL BOARD CORRECTION
"E-1" (FPS equipped fryers only)	No shortening or low shortening in frypot	Check to make sure shortening is a proper level in frypot
"E-4"	Control board overheating	Turn switch to OFF position, then turn switch back to ON; if display shows "E-4", the control board is getting too hot; check the louvers on each side of the unit for obstructions; check cooling fan, if present
"E-5"	Shortening overheating	Turn switch to OFF position, then turn switch back to ON; if display shows "E-5", the heating circuits and temperature probe should be checked
"E-6A"	Temperature probe open	Turn switch to OFF position; then turn switch back to ON; if display shows "E-6", have the temperature probe checked
"E-6B"	Temperature probe shorted	Turn switch to OFF position, then turn switch back to ON; if display shows "E-6", have the temperature probe checked
"E-10"	High limit	Reset the high limit by manually pushing up on the reset button; if high limit does not reset, high limit must be replaced

3-2. ERROR CODE TABLE
(Continued)

DISPLAY	CAUSE	PANEL BOARD CORRECTION
“E-12 (FPS Equipped Fryers only)	Faulty FPS probe	Turn switch to OFF position, then turn switch back to ON; if display shows “E-12”, have the FPS probe checked
“E-15”	Drain switch failure	Close drain, using the drain valve handle; if display still shows “E-15”, have the drain microswitch checked
“E-20C” (gas fryers only)	Ignition module(s) failure	Press the timer button to try the ignition process again, and if “E-20C” persists, have ignition modules checked
“E-20D” (gas fryers only)	No ignition	Press the timer button to try the ignition process again, and if “E-20D” persists, have gas valve and gas flow checked
“E-25” (electric fryers only)	Heat amps too high	Have electrical supply, wiring and elements checked
“E-26” (electric fryers only)	Heat amps locked on	Have the contactors and PC board checked <div style="text-align: center;">NOTICE</div> <p>This error code could be displayed even with the Power switch turned OFF. Unplug fryer or shut off the wall circuit breaker to disconnect power to the fryer.</p>
“E-27” (electric fryers only)	Heat amps too low	Have electrical supply, contactors, wiring and elements checked

3-2. ERROR CODE TABLE
(Continued)

DISPLAY	CAUSE	PANEL BOARD CORRECTION
“E-47”	Analog converter chip or 12-Volt supply failure	Turn switch to OFF, then back to ON; if “E-47” persists, have the I/O board, or the PC board replaced; if speaker tones are quiet, probably I/O board failure
“E-48”	Input system error	Have PC board replaced
“E-70A”	Missing or broken wire in pins 1 and 2 of P11 connector, or faulty connector Faulty I/O board Open interlock on PVS units	Have jumper wire between pins 1 and 2 checked Have I/O board checked and replaced, if necessary Have fan, extinguisher switch, side panel switches, and air pressure switch circuits checked
“E-70B”	Faulty power switch, or switch wiring; faulty I/O board	Have Power switch checked, along with its wiring; have Input/Output board replaced, if necessary
“E-92”	24-VAC fuse on I/O board open	24-VAC fuse on I/O Board open; check for shorted component in 24-volt circuit (i.e., hi limit, drain switch)