

## Evolution Elite ERROR CODES

### E-4 CPU Too Hot

### E-5 Software High Limit (Oil too hot)

### E-6 Main Temperature Probe Failure

- E-6A - open circuit,
- E-6B - short circuit.

### E-10 High Limit Tripped

- E-10A - tripped above 300F,
- E-10B - tripped below 300F,
- E-10C - tripped while cooking,
- E-10D - tripped <5min of Auto Filter,
- E-10F - tripped during filter cycle,
- E-10M - tripped during melt mode,
- E-10Y - tripped <5 min of "YES",

### E-18 Level Sensor Failed (\*Repeats every 4hrs)

Each vat has 2 level probes:

- E-18A - left probe failed
- E-18B - right probe failed
- E-18C - both probes failed

### E-20 Gas Ignition Failure (Gas fryers only)

- E-20A - pressure switch stuck closed
- E-20B - pressure switch stuck open, no draft or blower failure
- E-20D - failure to ignite pilot flame (gas valve off/air in gas line/no flame sense/module failure)

### E-21 Slow Recovery (Slow Heat-up)

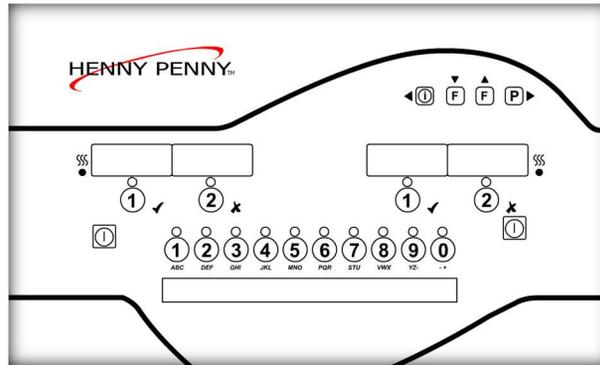
The fryer heat up is timed from 250°F to 300°F for every cold start (turn on with temp. < 200°F)

- ELECTRIC fryers < 1:40
- GAS fryers < 2:25

First slow heat-up, error message is:  
"E-21 RECOVERY FAULT"

Two consecutive slow heat-ups, error message is  
"E-21 RECOVERY FAULT CALL SERVICE"

User can press the Checkmark button to clear message, but message will repeat every hour until the fryer executes a successful heat-up.



### E-22 "NO HEAT"

EEG: "CHECK MV AND BURNERS"

EEE: "CHECK PWR CORD AND BREAKER"

For EEE vat unplugged, circuit breaker at wall for vat power supply tripped. EEG Gas valve Main Burn Coil faulty. Low Oil Temp probe not in Oil?

### E-31 Heating Elements Up (Electric fryers only)

Heating elements left in raised position or switch is out of adjustment or has failed.

### E-41 Data Loss

Re-initialize controller

### E-46 EEPROM Memory Write Failed

EEPROM chip on the CPU board is where program settings are stored.. Re-initialize controller

### E-47 A-to-D failure

Problem with the analog-to-digital converter chip on the CPU board. Could be due to failure of the 12-volt DC supply. (See C8000 info for details S-Net). For EEE fryers check safety contactor coil resistance

### E-48 Inputs Failure

Very rare - see C8000 for details. For EEE fryers check safety contactor coil resistance.

### E-54C Temperature Circuit Input Failure

Very rare. For EEE fryers check safety contactor coil resistance.

### E-60 Communication with AIF Board Lost

(\*Repeats every 4 hours) AIF board dead? Cable unplugged?

### E-70C Drain Interlock Jumper Missing.

LOV fryers do not have drain switch, a loop of wire should be in the wiring harness at rear of controller to complete the interlock circuit.

### E-81 E-STOP Button Activated

"CE" units \*do\* have E-stop buttons. All other units should have a loop of wire in the connector on the AIF board in place of the E-Stop button.

### E-82 Selector Valve Failed (as of 1/2018 EEG only)

E-82A - Selector valve not detected. Jumper not detected on pins 1 & 2 of 6 pin selector valve wiring harness.

E-82B - Home Switch failed, Position Switch still working. Selector valve will not operate

E-83C - Home Switch failed, Position Switch failed. Selector valve will not operate

**Note:** Selector valve will operate in "timing mode" in the event that Home Switch is working but Position Switch has failed.

### E-83 Pressure Too High (Gas fryers only)

Filter line blocked/obstructed

E-83A,B,C,D,E Check corresponding vat, i.e A = #1 Vat, B = #2 Vat etc.

E-83J Bulk Oil System error, JIB Fill switch depressed when error occurred.

E-83R Bulk Oil System error, "Dispose" switch depressed when error occurred.

E-83Z Indicates the source of the problem is unknown and is always logged in the Vat #1 control

### E-93A 24V Supply Tripped

24 Volt power supply tripped on controller CPU board. Check 24V circuit for short circuit or low resistance component causing high current draw.

### \*E-18 and E-60 "Repeats every 4 hours"

The E-18 (Level Sensor Failed) and E-60 (AIF Comm Failed) error messages can be temporarily cleared by pressing the checkmark button, and then normal fryer operation is allowed even if the fault condition continues. Auto-top off and filtering functions would be unavailable. Error message re-occurs at 4 hour intervals.