ERC FAILURE CODES

Clock Display	Cause
F-0	Clock pushbutton is stuck in a depressed position
F-1	Element Relay Circuit Failure
F-2	Oven temperature exceeded the clean runaway temperature (self-clean only) or the cooking runaway temperature (cooking modes only)
F-3	Short Circuit in the oven temperature sensor
F-4	Open Circuit in the oven temperature sensor
F-6	Failure in the EEPROM check comparison (Only time of day and timer will operate)
F-7	Failure of the Self-Clean automatic door latch circuit
F-8	Failure of the door latch motor. Occurs when the motor runs for two minutes without the door locking in Self-Clean mode.

SENSOR RESISTANCE CHART

Temperature Degrees F.	Resistance Ohms
60	1059
70	1080
100	1143
200	1350
300	1553
400	1753
500	1949
600	2142
700	2331
800	2516
900	2697
1000	2847

REMOVING THE SPILL TRAY

Figure 14-1

1. Remove grates, caps and burner rings
2. Using burner tool (86007C) remove brass nut (hold down ring) by turning counter clockwise
3. Lift burner base out and disconnect electrode wire
4. Remove right and left vent cap
5. Remove front and rear grate supports
5. Lift off top frame
6. Remove control panel cover

SPARK MODULE
REPAIR/REPLACEMENT

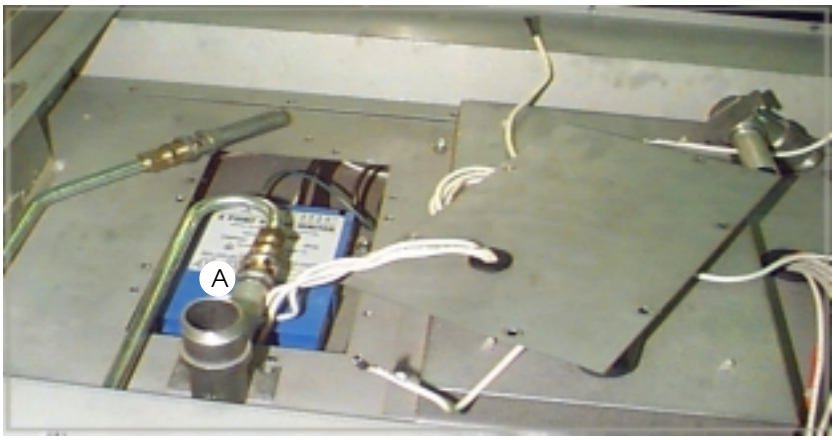

Figure 15-1

1. Remove grates, caps and burner rings
2. Using burner tool (86007C) remove brass nut (hold down ring) by turning counter clockwise
3. Lift burner base out and disconnect electrode wire
4. Remove right and left vent cap
5. Lift off top frame
6. Remove insulation (there are screws on either side holding it down) and then remove cover plate underneath the insulation.
   * * In some cases it may be necessary to remove the screws holding the burners in place in order to remove the cover plate

Figure 15-1 shows the cooktop area of the range (underneath the spill tray) after the insulation and the cover plate have been removed.

A. The Spark Module (part number 86526) is a 4 point ignition module and is attached to the chassis with velcro

COOLING FAN
REPAIR/REPLACEMENT

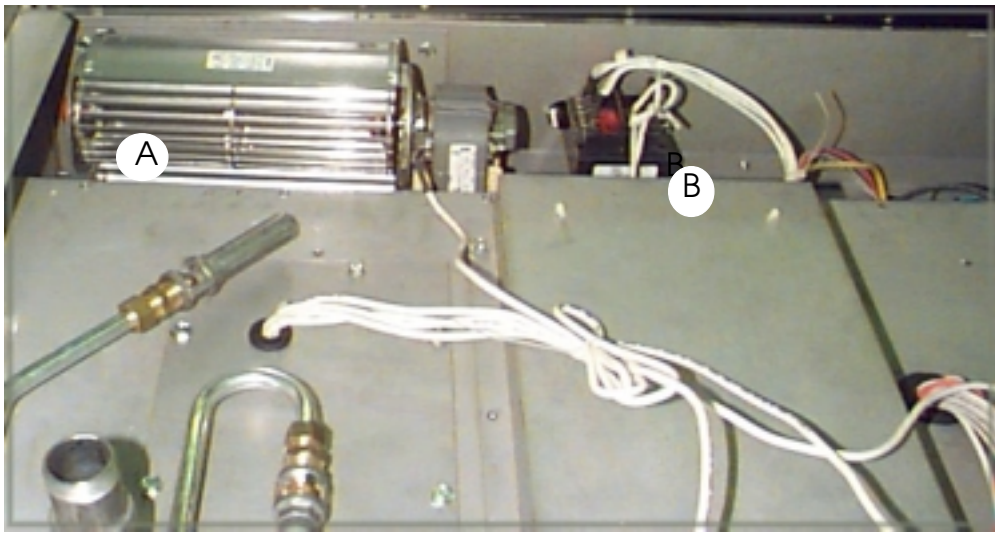

Figure 16-1

1. Remove top frame
2. Remove spill tray support
3. Remove rear cover shield
4. Loosen burner bases/rear burners to remove rear cover shield
5. Remove 2 hexheads bolting cooling fan in place
6. Disconnect 2 wires from motor housing, unbolt 3 screws on backside of blower housing bracket
7. Reconnect new fan

Figure 16-1 shows the cooling fan (A) (Part number 82347) and the transformer (B) which are located beneath the access cover

GAS VALVE/SWITCH REPAIR/ REPLACEMENT

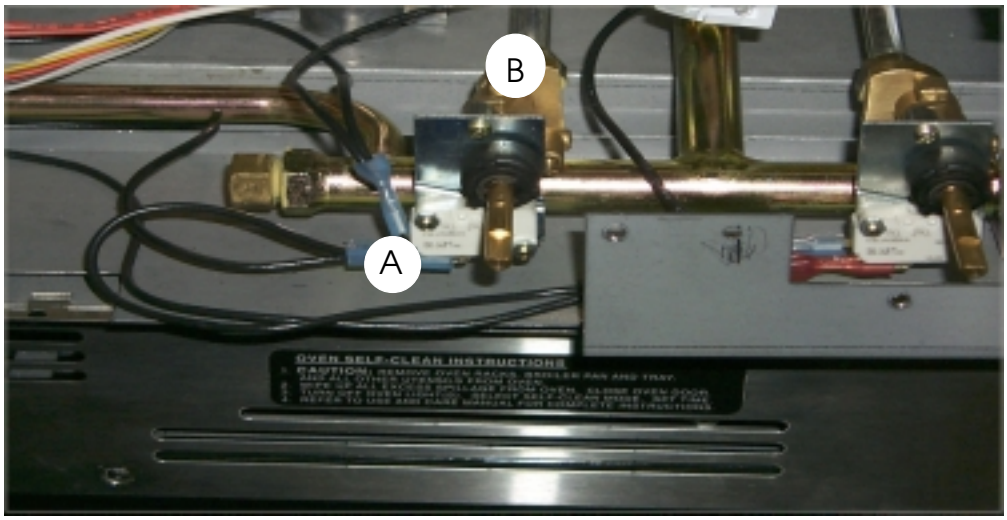

Figure 17-1

1. Remove top frame
2. Remove Control panel cover
3. Remove knobs
4. Remove 4 screws on either side of control panel to release bull nose
5. Remove the 3 screws that go through the bezel into the control panel on each side.
6. Slowly pull control panel forward and lift up to access valves and switches
7. Reach through manifold bracket to release switch on valve on right side use box end wrench on valves to remove screws
8. Disconnect gas tube on back before removing switch from the valve
9. Break nut loose on front of switch - remove switch

Figure 17-1 shows the microswitch (A) and the valves (B) from the front of the range after the control panel cover has been removed

ERC REPLACEMENT

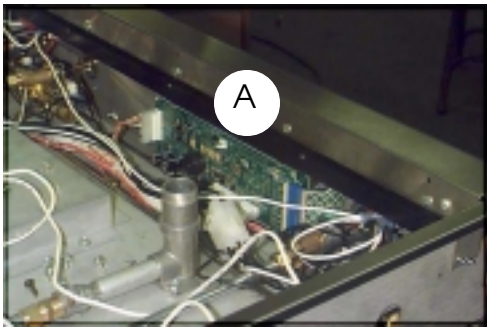

Figure 18-1

1. Remove top frame
2. Remove control panel cover
3. Disconnect wire harnesses and membrane harness
4. Remove 4 nuts on each corner of ERC - pull off ERC
5. Replace ERC - making sure new ERC is centered on studs when placing

** Take care not to tear oven light ribbon when plugging and unplugging

Figure 18-1 shows the ERC (Part Number 62707) from behind the control panel cover.

BULL NOSE REPLACEMENT

1. Remove top frame
2. Remove control panel cover
3. Remove the two screws that are located on the far right and far left of the backside of the bullnose

SENSOR REPLACEMENT

1. Remove right rack supports
2. Remove 2-5/16 hexhead screws and pull sensor
3. Replace sensor

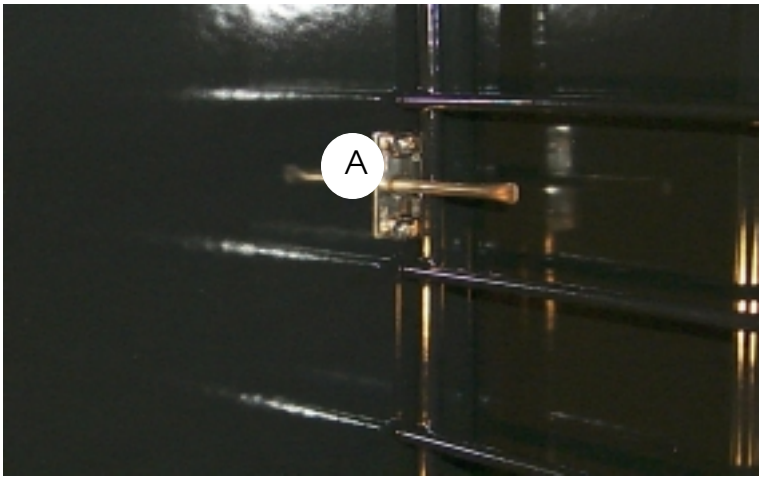

Figure 19-1

Figure 19-1 shows the location of the sensor or temperature probe (A) inside the oven cell

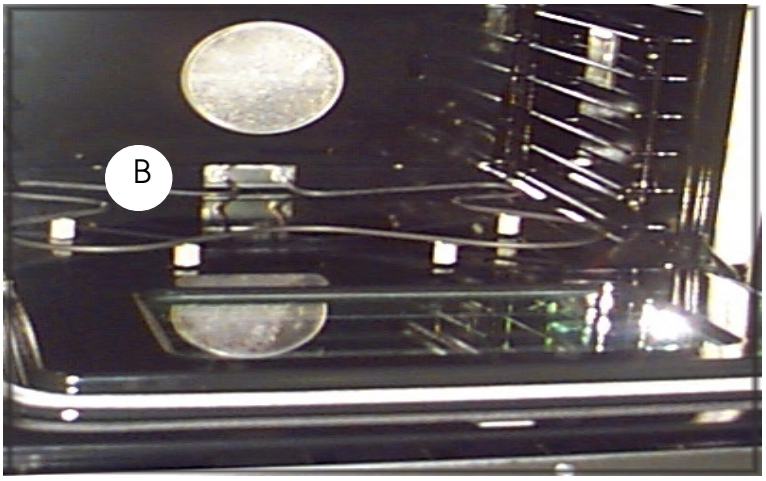

Figure 19-2

Figure 19-2 shows the location of the mounting plate on the convection baffle

BAKE ELEMENT REPLACEMENT

1. Remove convection baffle
2. Remove 2-5/16 hexheads from mounting plate
3. Pull element forward

LIGHT SOCKET REPLACEMENT

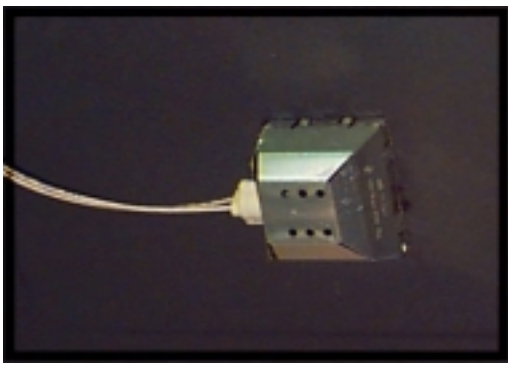

Figure 20-1

Figure 20-2

1. Remove Rack Supports
2. Remove lens cover (pry off)
3. Pull/pry out lens cover with a straight blade screwdriver.
4. Pull wires, snip and reconnect new socket assembly with ceramic wirenuts

Figure 20-1 shows the light socket assembly mounted on the outside of the oven cell
Figure 20-2 shows the complete socket assembly and the socket assembly with the lens cover removed

DOOR LATCH ASSEMBLY

1. Remove screws (6 phillips) from front intake grill, slide grill down and off
2. Using ratchet and 5/16" socket remove 2-5/16" hexhead screws on either side of latch
3. Pull forward to release latch from housing

Figure 20-3

Figure20-3 shows the door latch

DOOR HINGES

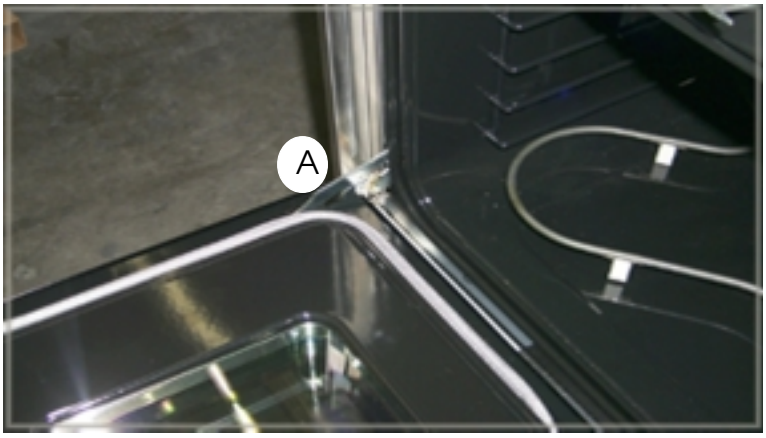

Figure 21-1

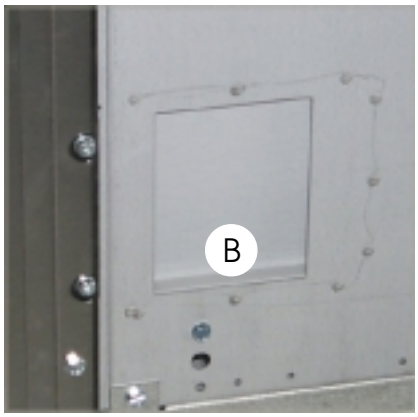

Figure 21-2

To remove hinge receptacle:

1. Remove oven door
2. Remove side panel on range
3. Remove two Allen head screws
4. Going into hinge receptacle, remove the hinge receptacle through the opening on the side of the range

To change door hinges:

1. Remove door from range
2. Remove 5 screws that hold the outer panel onto the inner door liner (1 screw on each upper side and 3 screws across the bottom.)
3. Separate the inner and outer liner and cautiously release the locking hinge mechanism on the hinge
4. After removing the screw from the bottom of the hinge, remove the hinge from the door

Figure 21-1 (A) shows the location of the door hinge and Figure 21-2 (B) shows the location of the hinge receptacle

Gas Valve

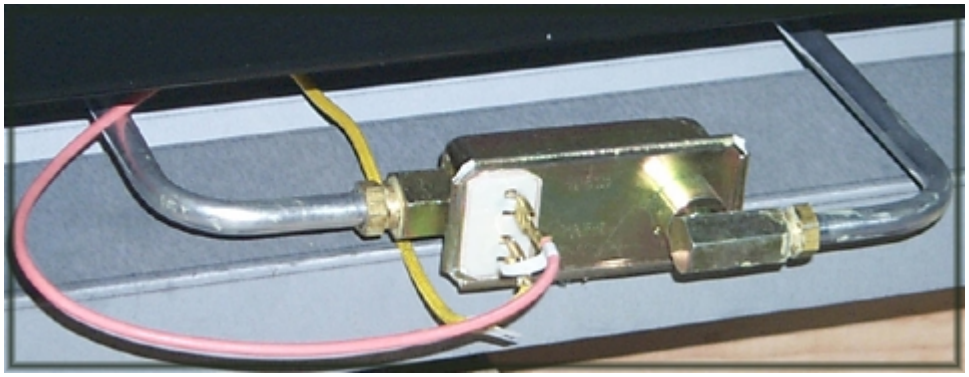

Figure 22-1

1. Remove oven door
2. Remove two screws from either side of the toe kick
3. Disconnect the two wires on the valve and the two gas lines
4. Remove the two mounting screws from the bracket and remove from oven

Figure 22-1 shows the gas valve that supplies gas to the infrared broiler located behind the toe-kick at the bottom of the range.

CONVECTION ELEMENT AND ASSEMBLY

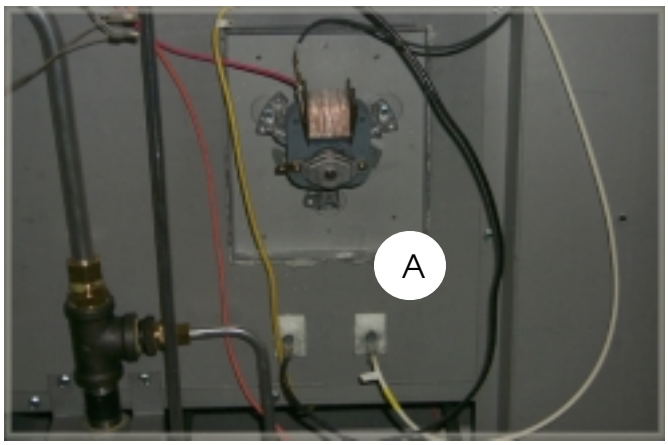

Figure 22-1 shows the convection motor part number (A) mounted on the outside, back of the oven

Convection Motor

1. Remove convection filter from inside cell
2. Remove acorn nut **(LEFT HAND THREAD)** holding fan blade to motor shaft
3. Remove fan blade
4. Pull range to gain access to backside of range
5. Remove 3-5/16" hexhead screws
6. Remove 2 wires attached on backside
7. For installation - reverse procedure

Convection Element

1. Remove convection filter
2. Remove convection baffle
3. Remove 2-5/16" hexhead screws
4. Pull element

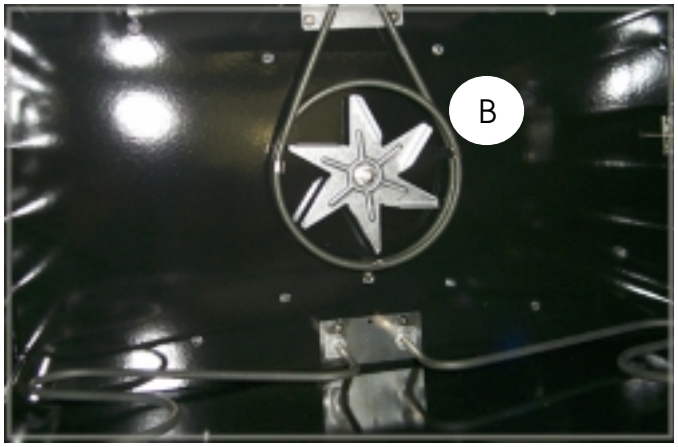

Figure 23-2 shows the convection fan blade and the convection element
** Please note that the acorn nut holding the convection fan blade is a LEFT HAND THREAD

TROUBLESHOOTING

NO BAKE:

- Check voltage to bake element. Check across relay board at double line relay
- "no"and BA relay – should get 240V
- Check Hi-limits SW to see if tripped or double line relay at NO relay should have 120V
- Check for open element or broken or open wire

NO BROIL:

- Check voltage out of BR relay – it should be 120V
- Check hi-limit switch
- Check amperage at glow ignitor – should read 3.2-3.5
- Check safety valve and wires

NO CONVECTON HEAT:

- Check CVL relay and double relay NO check across and get 240V
- Check Hi-limit thermostat
- Check for open element, open wire or bad connection

NO SELF CLEAN:

- Check voltage to bake element from BA on relay board and double line relay NO check across - should get 240V.
- Check latch to see if locking, check power out of relay board. Door lock relay should get 120V
- Check hi-limit switch

NO CONVECTION FAN:

- Check voltage out of main relay board at CV relay, should get 120V
- Check fan blade binding on convection element
- Check for bad connection, burnt or open wires

NO CLOCK DISPLAY:

- Check line voltage into unit – should be 240V
- Check at main relay harness going into ERC at points 14 and 15 for 24 VAC
- If you have 24VAC at 14 and 15 – replace clock
- If no voltage at 14 and 15 - check the two wires to see if they are open. If the wires are ok - replace the relay board

TROUBLESHOOTING

NO COOLING FAN:

- Check voltage at main relay board out of CLV relay for 120V. (after oven has been preheated to 180 degrees or higher)
- Open motor winding

NO SPARK TO BURNER:

- Check ignitor post for cracks
- Check for open ignitor wires or bad connection at push on terminal
- Check Spark Switch that is mounted to valve for open and closed circuit
- Check wires from spark switch to main harness that plug into spark module for a good connection and 120V at each spark switch