

⚠ WARNING



Electrical Shock Hazard

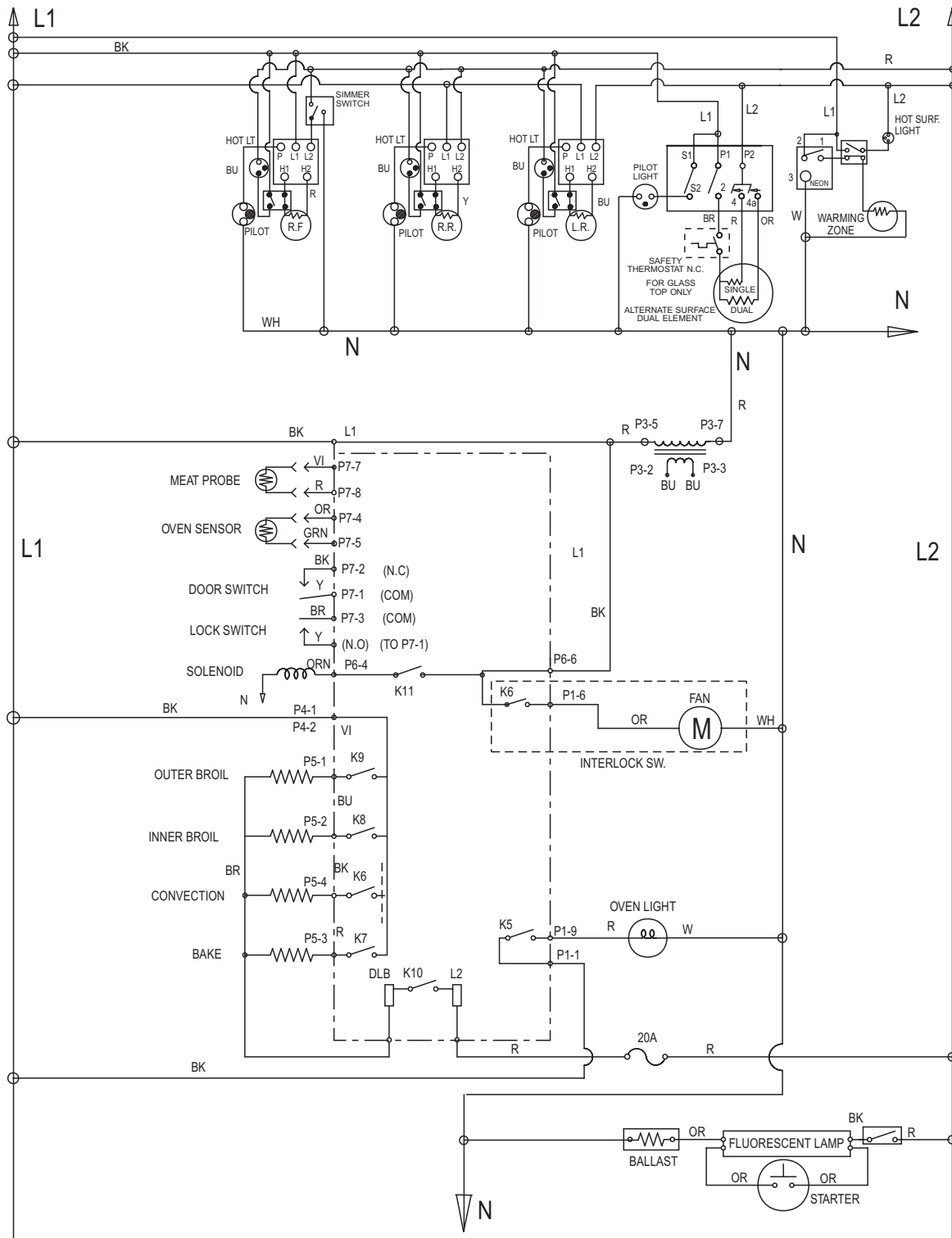
Disconnect power before servicing.

Replace all panels before operating.

Failure to do so can result in death or electrical shock.

IMPORTANT

DO NOT INSTALL RANGE CLOSER THAN 12mm FROM ANY ADJACENT SURFACE.



NOTES:

- Always disconnect power before touching internal parts of the oven!
- Upon replacement, immediately return old electronic oven control using the mailing label supplied with each new control.

Before servicing, perform the following checks:

- The most common cause for control failure is corrosion on connectors. Therefore, disconnecting and reconnecting wires will be necessary throughout test procedures.
- All testing/checking should be made with a VOM or DVM having a sensitivity of 20,000 K Ω /V or greater.
- Check all connections before replacing components, looking for broken or loose wires and defective terminals, or wires not pressed into connectors far enough.
- Voltage checks **must** be made with all connectors attached to the boards.
- Resistance checks **must** be made with power cord unplugged from outlet, and with wiring harness or connectors **disconnected**.
- In order to cancel "Sabbath Mode" ("SAB"), press and hold key No. 6 for five seconds.
- To check for the last five fault codes, press and hold key No. "0" to access previous codes. The numeric keys from "0" to "4" indicate faults 1 to 5 respectively, with "0" being the most recent code.

**Electrostatic Discharge (ESD)
Sensitive Electronics**

ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.

- Use an anti-static wrist strap. Connect wrist strap to green ground connection point or unpainted metal in the appliance **-OR-** Touch your finger repeatedly to a green ground connection point or unpainted metal in the appliance.
- Before removing the part from its package, touch the anti-static bag to a green ground connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging failed electronic control assembly in anti-static bag, observe above instructions.

FAULT CODE	ERROR CODE	MEANING OF FAILURE CODE	RECOMMENDED REPAIR PROCEDURE
F0		Default F code - no failure	■ Will only be displayed if user presses and holds "0" key for 5 seconds and there are no pre-existing faults. Press CANCEL to clear display.
F1	All F Codes	Electronic control malfunction	■ Replace control.
F2	E0	Key held down too long, or key is shorted	■ Check keypad connector for firm connection. ■ Press CANCEL. If error code returns after 60 seconds, replace keypad. ■ Replace control.
	E1	Keypad keytail not connected	
	E5	Cancel key drive line open	
F3	E0	Temperature sensor opened	■ Check sensor connection. ■ Measure sensor resistance (1080Ω at 21° C [70° F]. Add 2Ω per degree F.) ■ If resistance is not valid, replace sensor. ■ If sensor resistance and connections are good, then the oven cavity temperature must have exceeded a safe level. Check for welded-closed relays on the control.
	E1	Temperature sensor shorted	
	E2	Oven temp too high (over 301° C [575° F] in Cook mode)	
	E3	Oven temp too high (over 510° C [950° F] in Clean mode)	
F4	E1	Meat probe malfunction - shorted	■ Disconnect meat probe and measure probe resistance (78kΩ at 15.6° C [60° F]; 37kΩ at 32.2° C [90° F]). ■ If resistance is not valid, replace probe. ■ Insert probe and check for a firm connection between probe and jack (inside oven cavity). ■ Check connection between jack and harness (at rear side of the oven).
F5	E0	Door is open, but latch is locked (condition exists when door switch is closed indicating an open door and latch switch is closed indicating a locked door)	■ Check the Latch Assembly: - Check latch arm on diecast, arm/solenoid connection, solenoid spring, and spring washer. ■ Check Latch Solenoid: - Check for firm electrical connections. - Disconnect the two wires from the solenoid and measure the resistance of the solenoid. A small resistance (approx. 175Ω) is normal. If the solenoid is open or shorted, replace it. ■ Check Latch Switch: - Disconnect it and use a continuity tester: - Door latched /switch closed should read 0Ω. - Door unlatched/switch open should read $\infty\Omega$. ■ Check power and element connections.
	E1	Self clean latch will not lock	
	E5	Self clean temperature (288° C [550° F]) not reached within 45 minutes	
	E7	Self clean latch will not unlock	

The following individual circuits are for use in diagnosis.
Before starting diagnosis, check the line voltage and for blown fuses.

The diagram shows a power supply circuit for two channels, P4-1 and P4-2. The circuit is connected between L1 and L2. It includes an Electronic Module on the left, followed by a switch P5-2, a resistor BU, a resistor BR, a switch DLB, a 20A fuse R, and another Electronic Module on the right.

Diagram illustrating the wiring for the Electronic Module. The module is connected to the power source (L1) via terminals P4-1 and P4-2. The module has two outputs: one to the Inner Broil (BU) and one to the Outer Broil (VI). Both outputs pass through a resistor and a switch (BR) before reaching the Electronic Module. The module is also connected to a 20A circuit (R) and a door lock (DLB).

[illegible][illegible]

The diagram shows the wiring for the Electronic Module. It includes three main power lines: L1, L2, and P1-1. The Electronic Module is represented by a large rectangle containing three switches (P5-1, P5-3, P5-4) and three resistors. The connections are as follows:

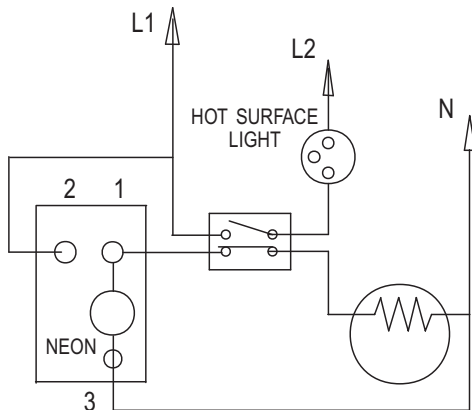
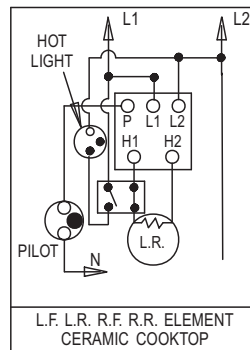
- OUT BROIL:** Connected to L1 via switch P5-1 and resistor VI.
- BAKE:** Connected to L1 via switch P5-3 and resistor R.
- CONV. EL.:** Connected to L1 via switch P5-4 and resistor BK.
- FAN MOTOR:** Connected to P1-1 via switch P1-6 and OR, then to a motor symbol (M) and finally to N via WH.
- Other Connections:** A 20A fuse is connected between L2 and the Electronic Module. A BK connection is shown between P4-1 and P4-2. A BR connection is shown between the Electronic Module and L2. A DLB connection is shown between L2 and the Electronic Module. A PRE-HEAT ONLY connection is shown between L2 and the Electronic Module.

The diagram shows a 240VAC control circuit. It starts at bus L1 and goes through a switch labeled 'P' and 'OR' to a Pilot Light. From the Pilot Light, the circuit goes to a switch labeled 'BK' and 'HI' to a Surface Element. The circuit then goes through a switch labeled 'H2' and 'L2' to bus L2. A neutral line 'N' is also shown.

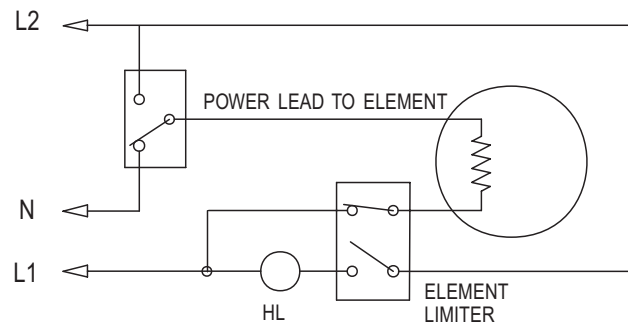
STRIP CIRCUITS

The following individual circuits are for use in diagnosis.
Before starting diagnosis, check the line voltage and for blown fuses.

OPTIONAL 1
 FOR RADIANT
 OR HALOGEN
 COOKTOP

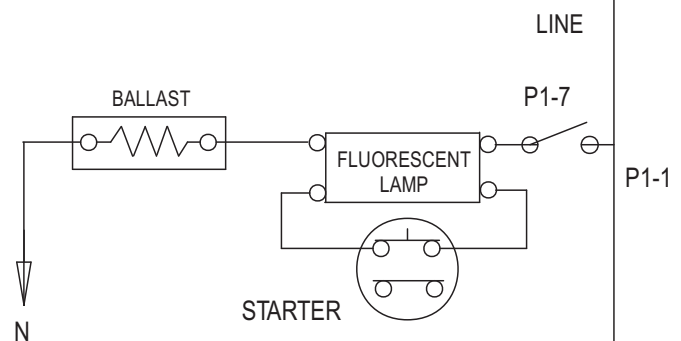
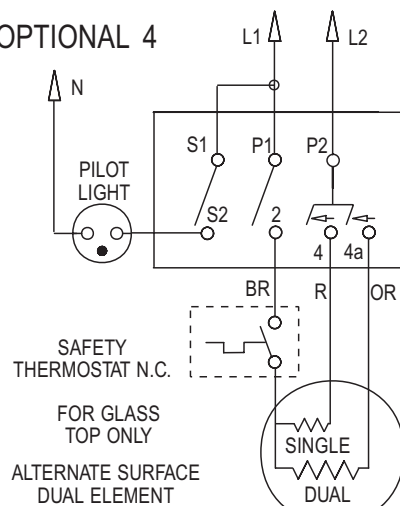


WARMING ELEMENT



SIMMER SWITCH (RIGHT FRONT)

OPTIONAL 4



FLUORESCENT

PART NO. 9782235

NOTE: This sheet contains important
 Technical Service Data

**FOR SERVICE TECHNICIAN ONLY
 DO NOT REMOVE OR DESTROY**