⚠WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all panels before operating.

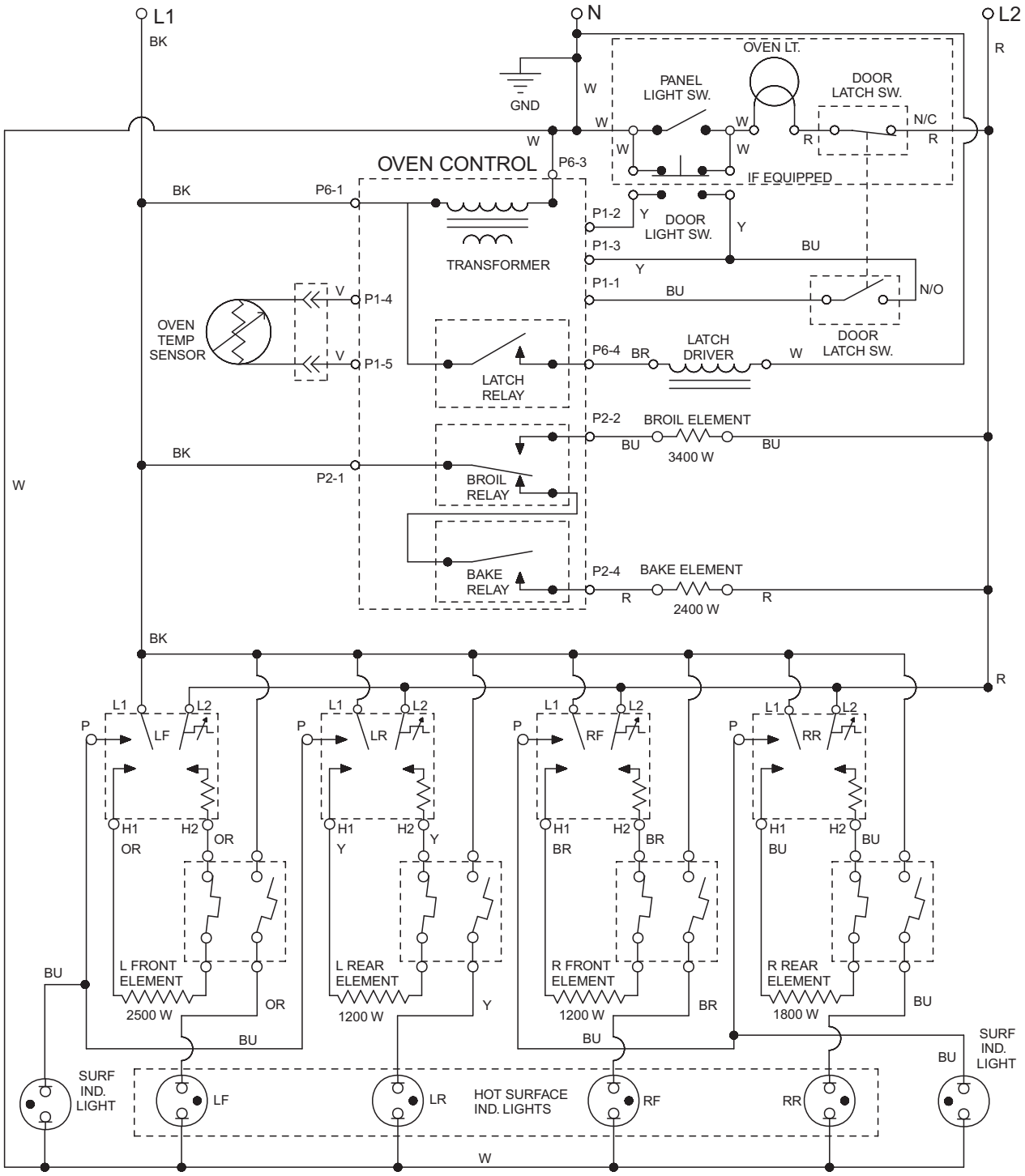
Failure to do so can result in death or electrical shock.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U. S. PATENTS:

3,659,578	3,877,460	4,467,184
3,788,300	4,102,322	4,565,967
3,832,988	4,364,589	4,613,739

OTHER PATENTS PENDING.

NOTE: DRAWING SHOWS DOOR LATCH SWITCH IN COOK POSITION WITH OVEN DOOR OPEN AND ELEMENTS OFF.



DIAGNOSTICS

1. **All diagnoses of this range must begin with normal check of line voltage, blown fuses, and failed components.**
2. **All units that have failed during the first few days of use should be checked for loose connections or miswiring.**
3. **All checks should be made with a meter having a sensitivity of 20,000 ohms per volt or greater.**

FAILURE/ERROR DISPLAY CODES

DISPLAY	LIKELY FAILURE CONDITION	SUGGESTED CORRECTIVE ACTION PROCEDURE
F1 EO	EEPROM communication error	1. Disconnect power from oven for longer than 30 seconds. 2. Reapply power and observe for longer than 1 minute. 3. If failure remains, disconnect power, replace control, then go back to step 2.
F1 E1	EEPROM checksum error	
F1 E2	A/D error(s)	
F2 EO	Shorted keypad/ key stuck	1. Disconnect power from oven for longer than 30 seconds. 2. Reapply power and observe for longer than 1 minute. 3. If failure remains, disconnect power, replace control, then go back to step 2.
F2 E1	Keytail unplugged	1. Verify that keypad is plugged into the connector on back of control. 2. Disconnect power from oven for longer than 30 seconds. 3. Reapply power and observe for longer than 1 minute. 4. If failure remains, disconnect power, replace control, then go back to step 3.
F3 E0	Open sensor	1. Measure sensor value between 1000 Ω @ 32° F and 2697 Ω @ 900° F (approximately 1080 Ω @ room temperature). If measurement does not match real temperature, disconnect power, replace sensor and refer to steps 3-5. Also measure from sensor connector to sensor casing for possible short. 2. Trace wires and connectors to sensor, from control, then from sensor back to control. If all connections made and no wire damage, refer to steps 3-5. 3. Disconnect power for longer than 30 seconds. 4. Reapply power and observe for longer than 1 minute. 5. If failure remains, disconnect power, replace control, then go back to step 4.
F3 E1	Shorted sensor	
F3 E2	Non-self-clean over temperature	
F3 E3	Self-clean over temperature	
F5 E0	Door and latch switches do not agree	1. If door **latched**: A) Disconnect power from unit. B) Check wires and connectors from control to door switch, then from door switch to control. If no damage found, proceed to step C. C) Replace door switch. D) Reapply power to unit for more than 1 minute and verify operation. 2. If door **not latched**: A) Disconnect power from unit. B) Check wires and connectors from control to latch switch, then from latch switch to control. If no damage found, proceed to step C. C) Repeat steps A) and B) for door switch. 3. Measure door switch (door open = switch open small low voltage terminals). 4. Measure latch switch (unlatch = switch open, *CAUTION* - oven light contacts are closed). 5. If corrections are made in any step, reconnect power and verify correction. 6. Check door alignment. 7. If failure remains, disconnect power, replace control.
F5 E1	Solenoid/motor not operating or latch switch failure	
F5 E2	Door latch error during **CLEAN**	
OVEN ON LED flashing*	The Oven Knob is not in the **OFF** position when the unit is powered up	Turn oven knob to **OFF** and then turn to the desired temperature.
DOOR LOCKED/CLEANING and **HEATING** LED flashing*	Center tap voltage failure	Replace the control.

* Knob 150 controls only

Oven Temperature Adjustment If Control Has Touch Pads Only

- Press and hold BAKE pad for five (5) seconds. Current offset, if any, is shown in 3-digit display.
- Pressing the TEMP pad “up” arrow (▲) adjusts the temperature in 10°F increments in the following sequence: 0°; 10°; 20°; 30°; -30°; -20°; -10°; 0°; and so on.
- Once you reach the desired temperature offset, there is a five second pause before the LED display prompt *START?* begins flashing. Press the START/ENTER pad to activate the new temperature adjustment.
- If the START/ENTER pad is not pressed within 1 minute after the *START?* prompt appears, the adjustment is ignored and display reverts to idle.
- BAKE temperature adjustment cannot result in operating temperatures higher than 500° F, or lower than 170° F, as measured at oven cavity center.
- Once the BAKE temperature has been adjusted, BROIL temperatures are automatically offset to the same degree.

Oven Temperature Adjustment If Control Has Temperature Knob

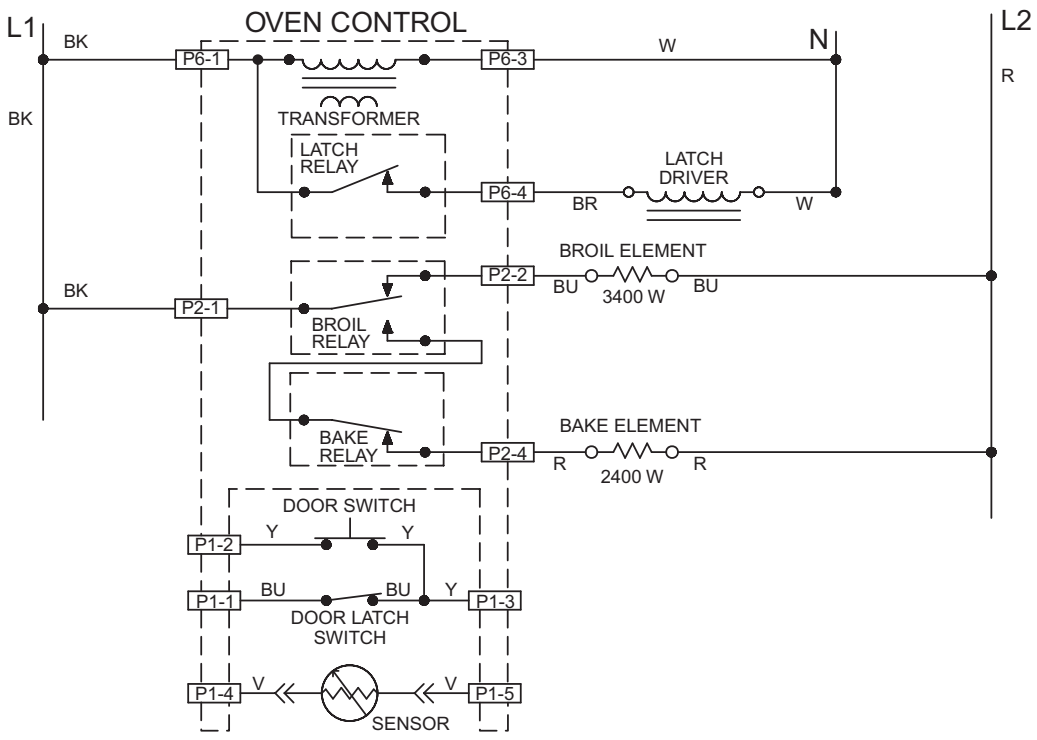
- Press and hold CLOCK pad for five (5) seconds. Current offset, if any, is shown in 3-digit display.
- Pressing the “up” arrow (▲) adjusts the temperature in 10°F increments in the following sequence: 0°; 10°; 20°; 30°; -30°; -20°; -10°; 0°; and so on.
- Press the CLOCK pad to activate the new temperature adjustment.
- If the CLOCK pad is not pressed within 1 minute, the adjustment is ignored and display reverts to idle.
- BAKE temperature adjustment cannot result in operating temperatures higher than 500° F, or lower than 170° F, as measured at oven cavity center.
- Once the BAKE temperature has been adjusted, BROIL temperatures are automatically offset to the same degree.

STRIP CIRCUITS

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

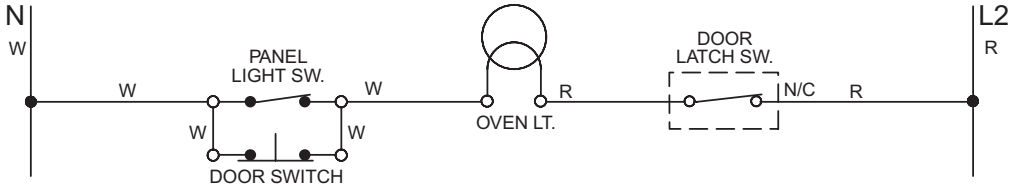
CLEAN

(BAKE AND BROIL RELAYS CYCLE)



OVEN LIGHT

(IF EQUIPPED)

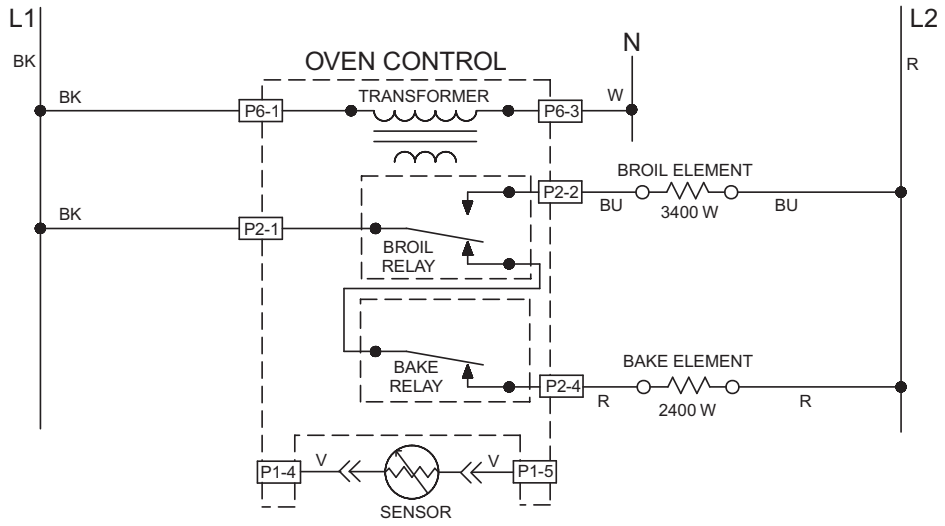


STRIP CIRCUITS

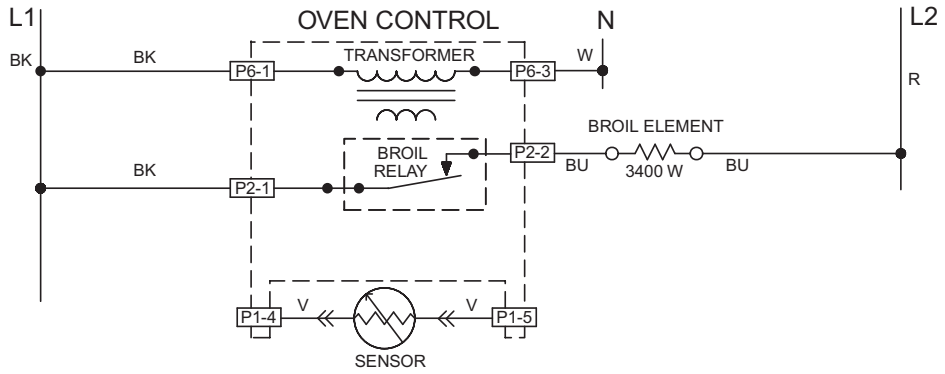
The following individual circuits are for use in diagnosis.
Before starting diagnosis, check the line voltage and for blown fuses.

BAKE

(BAKE AND BROIL RELAYS CYCLE)

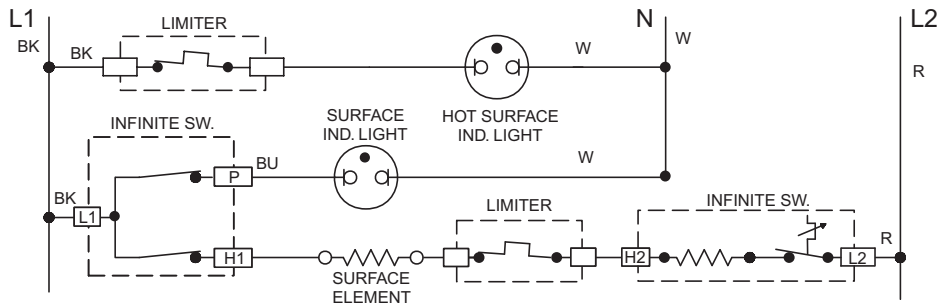


BROIL

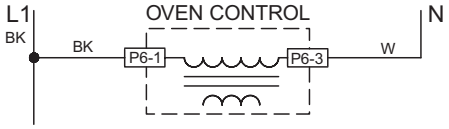


SURFACE UNIT

(TYPICAL)



CONTROL POWER



PART NO. 8053296 REV. C

NOTE: This sheet contains important Technical Service Data

FOR SERVICE TECHNICIAN ONLY
DO NOT REMOVE OR DESTROY