⚠WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all panels before operating.

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

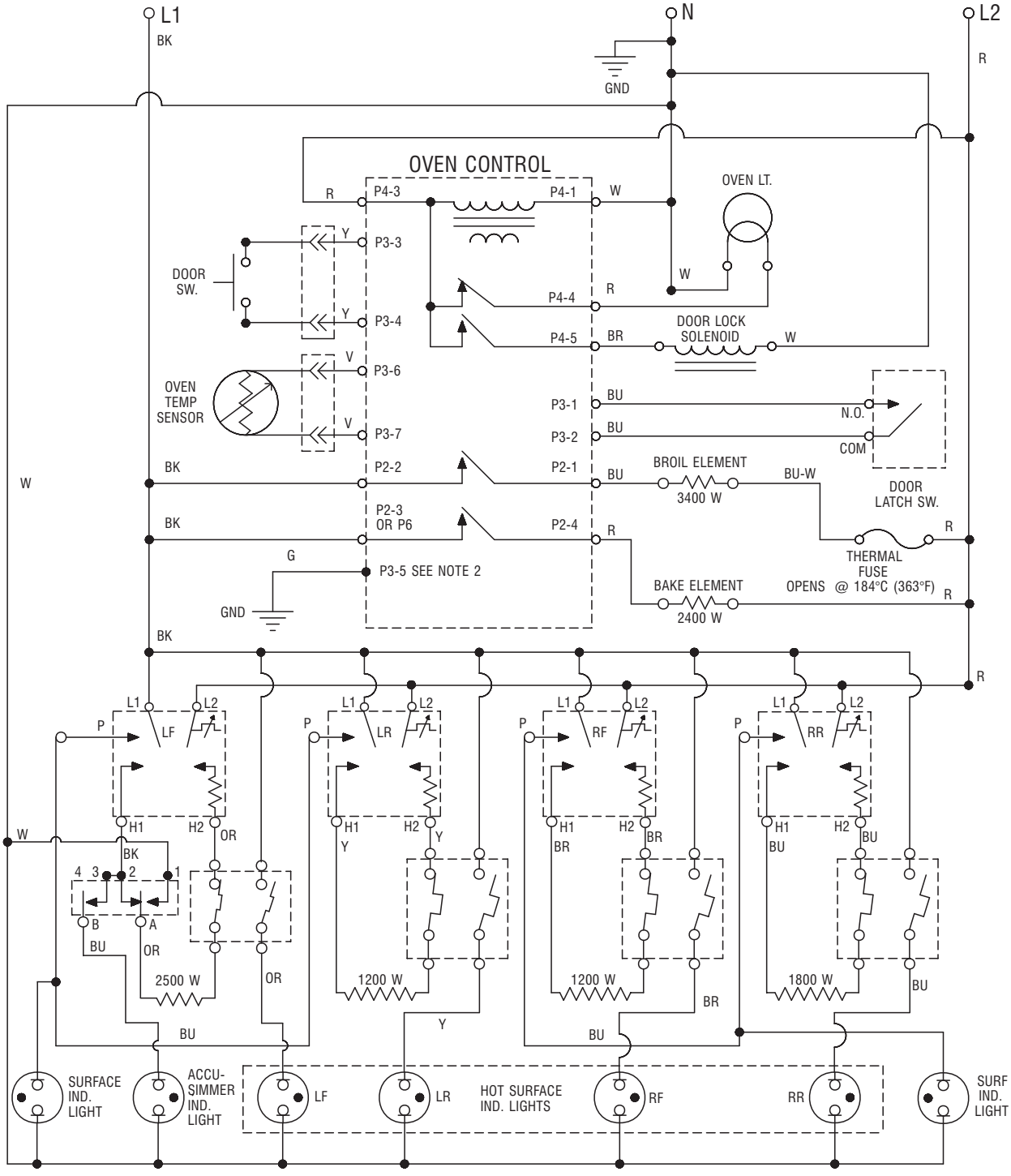
MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U. S. PATENTS:

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.

NOTES: 1. Schematic shows door latch switch in the cook position with the oven door open, and elements off.

2. Eaton controls do not use the ground connection at P3-5.



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

4-DIGIT DISPLAY	3-DIGIT DISPLAY	LIKELY FAILURE CONDITION	SUGGESTED CORRECTIVE ACTION PROCEDURE
F1	**E0** EEPROM Communications **E1** EEPROM Checksum Failure **E2** UL A/D Error(s)		1. Verify failure if not displayed, using CANCEL/OFF key. Press key for 5 seconds until last error code is displayed. 2. Disconnect power longer than 30 seconds. 3. Re-apply power and observe for longer than 1 minute. 4. If failure remains, disconnect power, replace control.
F2	**E0** Shorted Key **E1** Key Tail Unplugged		1. Verify failure if not displayed, using CANCEL/OFF key. Press key for 5 seconds. 2. Disconnect power. 3. If applicable, ensure membrane tail is seated in connector on back of control. 4. Re-apply power and observe for longer than 1 minute. 5. If failure remains, disconnect power, replace control.
F3	**E0** Oven Sensor Opened **E1** Oven Sensor Shorted **E2** Bake Range Over Temp **E3** Clean Range Over Temp		1. Measure sensor value (between connector pins) between 1000Ω @ 32° F and 2697Ω @ 900° F (room temperature approx. = 1080Ω). If measurement does not correlate to 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 step 3. 3. Disconnect power longer than 30 seconds. 4. Re-apply power and observe for longer than 1 minute. 5. If failure remains, disconnect power, replace control, then go back to step 4.
F5	**E0**	Door and Switches Do Not Agree	1. Disconnect power from unit. 2. Check wires and connectors from control to door switch, then from door switch to control. 3. If no damage to wires or connectors, replace door switch. 4. Re-apply power. 5. Press CANCEL, program and start the clean mode, and observe for 1 minute to ensure that operation is normal.
F5	**E1**	Door Latch Not Operating	1. Verify error code by pressing and holding CANCEL/OFF key for 5 seconds. Momentarily (less than 5 sec.) press CANCEL key again to remove error code display. 2. Press and hold any key for 1 minute until F2 E0 code is displayed. 3. Cancel F2 E0 error code. 4. Program and start the clean mode. Observe to see if door locks. If it does not, inspect the locking mechanism from the solenoid to the latch pawl and door to find the cause of the problem. If the door is not locking, then 1 minute from the start of clean, the F5 E1 code will again be displayed. Steps 1 through 3 will have to be repeated before another clean can be started. 5. Once any mechanical problems with the latch mechanism have been corrected, program and start a clean cycle (after, if necessary, clearing F5 E1 error code) to ensure proper operation of the door lock. Immediately cancel the clean mode to observe proper operation of door unlock.
F5	**E2**	Latch Error During Clean	1. Disconnect power from unit. 2. Check wires and connectors from control to latch switch, then from latch switch to control. 3. If no damage to wires and connectors, then replace latch switch. 4. Re-apply power. 5. Press CANCEL, program and start the clean mode, and observe for 1 minute to ensure that operation is normal.

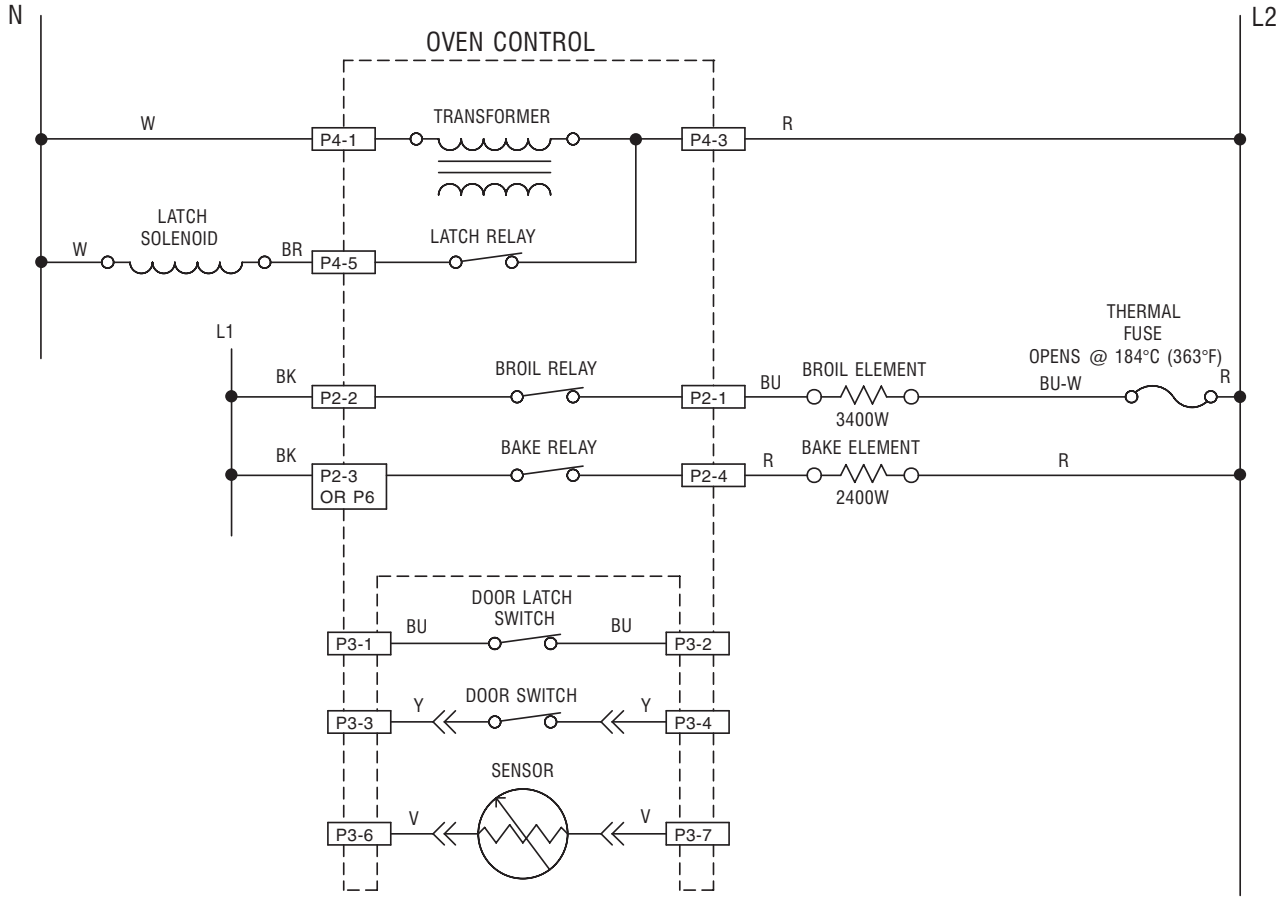
Temperature Adjustment

- Press and hold BAKE pad for five (5) seconds. Current offset, if any, is shown in 3-digit display. CAL is shown in 4-digit display (3 digits on right).
- 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.
- Press START/ENTER pad to activate the desired temperature adjustment. If the START/ENTER pad is not pressed within 5 minutes, adjustment is ignored.
- 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.
- CLEAN temperature is also offset automatically when BAKE temperature is adjusted. If BAKE temperature has been raised, CLEAN temperature is offset +5° F. If BAKE temperature has been lowered, CLEAN temperature is offset -5° F.

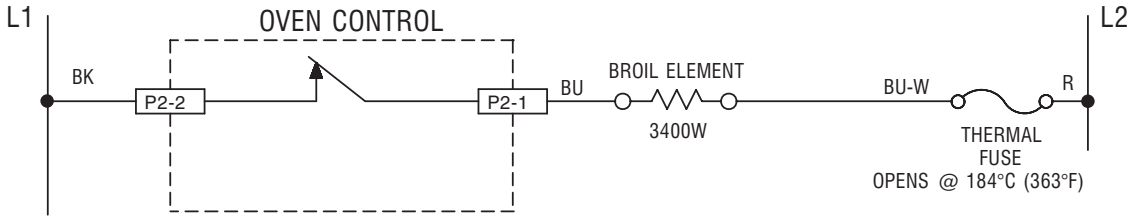
STRIP CIRCUITS

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

CLEAN



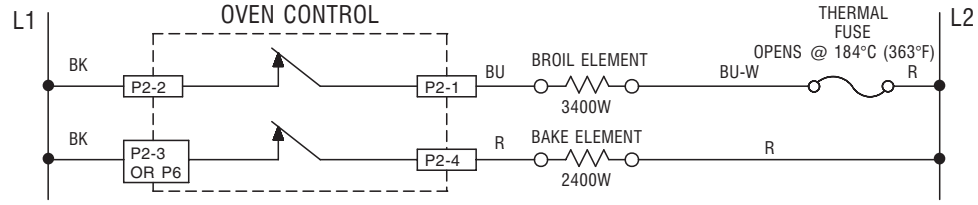
BROIL



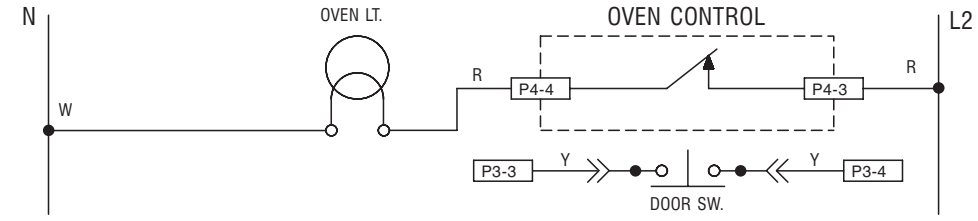
STRIP CIRCUITS - continued

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

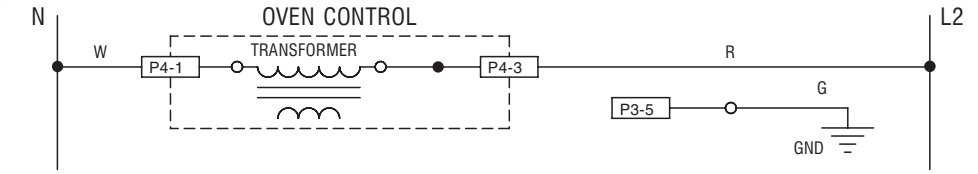
BAKE



OVEN LIGHT

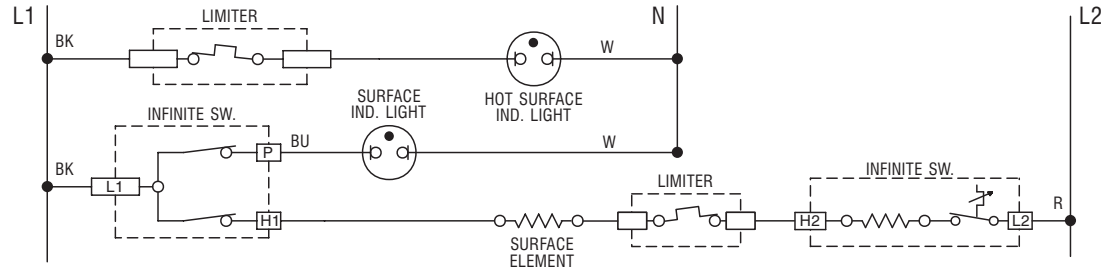


CLOCK DISPLAY ON



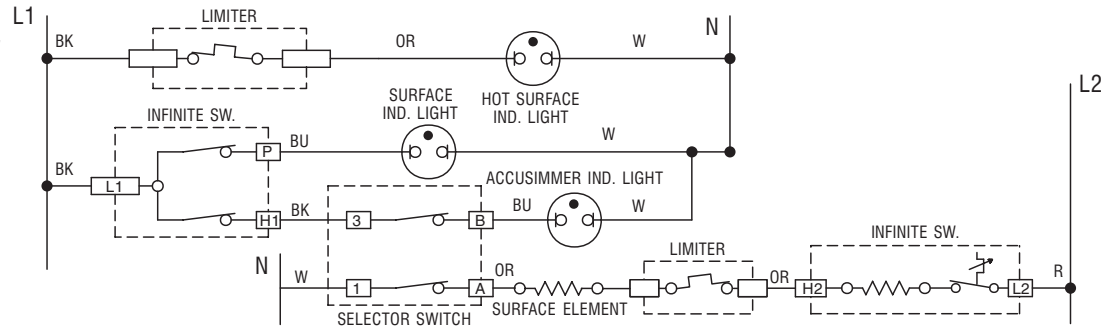
SURFACE UNIT

(TYPICAL)

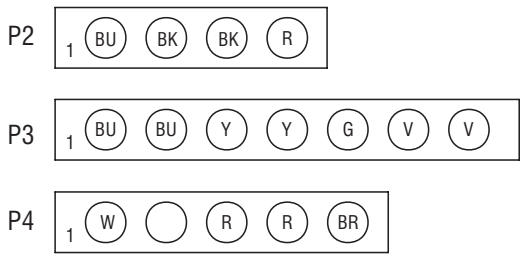


SURFACE UNIT

*(ACCUSIMMER - **LEFT FRONT ONLY**)*



QUICK DISCONNECT PLUGS



PART NO. 8053302 REV. D

NOTE: This sheet contains important Technical Service Data

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