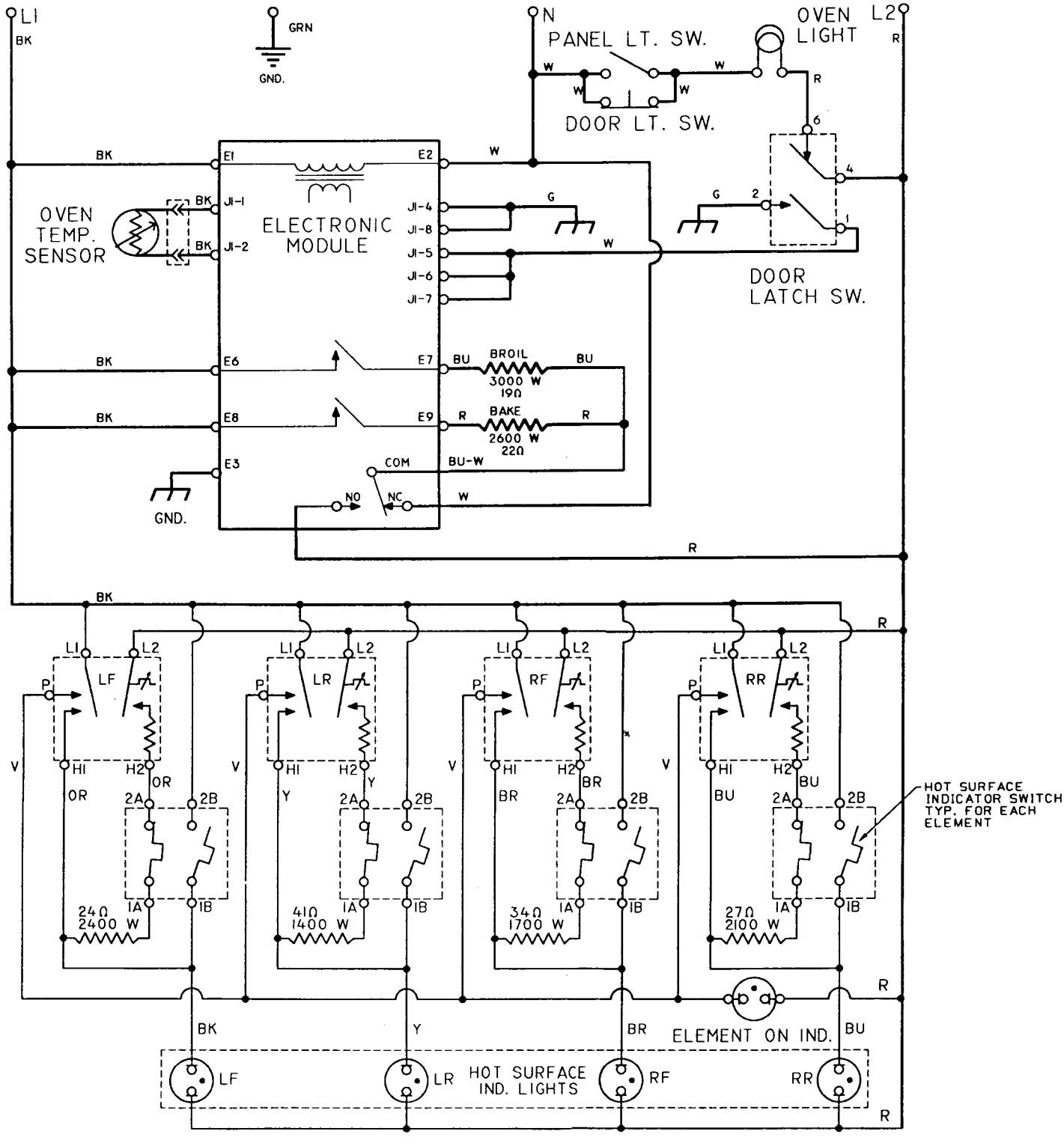
⚠ WARNING | **ELECTRICAL SHOCK HAZARD** | Disconnect from electrical supply before servicing. Failure to do so may result in electrical shock or other personal injury.



Manufactured under one or more of the following United States letters patents:

3,659,578	3,788,300	3,832,988
3,877,460	4,102,322	4,354,589
4,467,184	4,565,968	4,613,739

Other patents pending.

NOTE:
Drawing shows door latch in the COOK position with door open and elements off.

Part No. 3183603

NOTE:

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

PROBLEM: No Bake

1. Check to be sure the Clean latch is in far LEFT position.
2. Push the BAKE key. "OFF" will appear in the red display if pins J1-4 and J1-8 of the 8-pin connector are open (not connected to ground).Repair connection.
3. With oven OFF, a resistance measurement across Common (CO) and Normally Closed (NC) terminals of Relay K1 on the electronic module should show continuity (closed).

   Put the oven in BAKE. A resistance measurement across common (CO) and Normally Open (NO) terminals of relay K1 should show continuity (closed). If either reading is wrong, replace the control.
4. Disconnect power supply. Disconnect E9 on the electronic module. Turn power supply back on, put oven in BAKE and measure resistance from E8 to E9. If infinite resistance (open) is read, replace the electronic module.
5. Disconnect power supply. Disconnect E7 on the electronic module. Turn power supply back on, put oven in BAKE and measure resistance from E6 to E7. The reading should alternate between infinite resistance (open) and continuity. If it does not, replace the electronic module.

PROBLEM: Bake Temp Needs Adjustment

The following procedure will allow the oven temperature to be increased or decreased 35° F in 5° increments. The BROIL and CLEAN temperatures are not affected.

1. Push the BAKE key and enter an oven temperature greater than 500° F. Immediately push and hold the BAKE key for at least 5 seconds. The display will show ":00" in the time digits.
2. To INCREASE oven temperature: Turn the SET knob clockwise (located on the right hand side of the display).
3. To DECREASE oven temperature: Turn the SET knob counter-clockwise (located on the right hand side of the display).
4. Push OFF/CANCEL to enter the new oven temperature and exit this mode.

PROBLEM: No Broil

1. Verify that unit operates in BAKE. If it does not, refer to PROBLEM: No Bake, Steps 1,2, and 3.
2. Disconnect power supply. Disconnect E7 on the electronic module. Turn power supply back on, put oven in BROIL and measure resistance from E6 to E7. If infinite resistance (open) is measured, replace the electronic module.

PROBLEM: No Bake

1. Verify that the Clean latch is in the far RIGHT position.
2. Verify that the unit operates in BAKE and BROIL. If it does not, refer to the NO BAKE and NO BROIL instructions.
3. With the Door latch in the far LEFT position and unit OFF, verify that the Green (G) wire connected to terminal 2 of the Door latch Switch is at ground potential. If it is not, make necessary repairs.
4. With the Door latch in the far RIGHT position and the unit OFF, a resistance measurement across terminals 1 and 2 of the Door latch Switch should show continuity. If it shows infinite resistance (open), replace the switch. Verify that the White (W) wire connection at terminal 1 is good.

ALARM CODES

These alarm codes may be displayed and/or sounded during operation of the unit.

F2 BAKE/CLEAN TEMPERATURE RUNAWAY ALARM:

Sounds alarm and resets control to non-cook mode when bake/clean temperature exceeds programmed limits. The CANCEL key will reset the display code and audible alarm sound for a sample period of 16 seconds. The alarm will repeat if the fault persists.

CORRECTIVE ACTION:

1. Allow unit to set for a one-hour cool down period.
2. Measure the sensor resistance. The sensor should measure 1000 ohms + or - 4 ohms with the sensor in a glass of ice water, or approximately 1091 ohms at a 75° F room ambient temperature. If it does not, replace sensor.
3. If sensor is good, and problem remains, replace electronic module.

F3 OPEN TEMPERATURE SENSOR:

Sounds alarm and inhibits cook modes. The CANCEL key resets the control to non-cook mode, which cancels the display code and audible alarm. The alarm repeats if a cook mode is reactivated.

CORRECTIVE ACTION:

1. Verify the harness connection at the sensor and the 8-pin connector on the electronic module are good.
2. Replace the sensor.

F4 SHORTED TEMPERATURE SENSOR:

Sounds alarm and inhibits cook modes. The OFF/CANCEL key will reset the control to a non-cook mode, which cancels the display code and audible alarm. The alarm repeats if a cook mode is reactivated

CORRECTIVE ACTION:

1. Verify the harness connection at the sensor and the 8-pin connector on the electronic module.
2. Replace the sensor.

F5 ELEMENT RELAY ENABLE ON:

Control thinks oven is in active cycle without proper programming. Sounds alarm and resets the control.

CORRECTIVE ACTION:

1. Replace control.

F6 POWER WAS INTERRUPTED:

Resets control to a non-cook mode if power is off for a sample period of one minute.

CORRECTIVE ACTION:

1. Push OFF/CANCEL button to reset control, then reprogram.

F8 IMPROPER DOOR LOCK INPUTS:

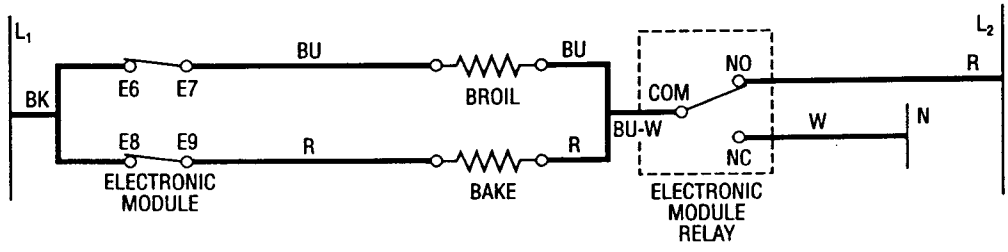
Sounds alarm and resets the control to a non-cook mode. The OFF/CANCEL key will reset the display and cancel the audible alarm.

CORRECTIVE ACTION:

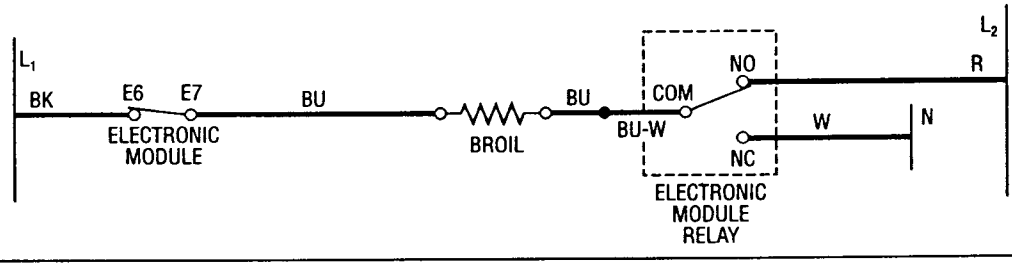
1. Check the Door latch Switch.
2. Check the 8-pin connector on the control for good connections.

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

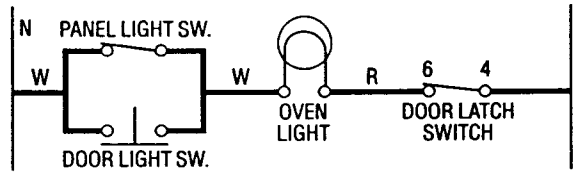
BAKE & TIMED BAKE



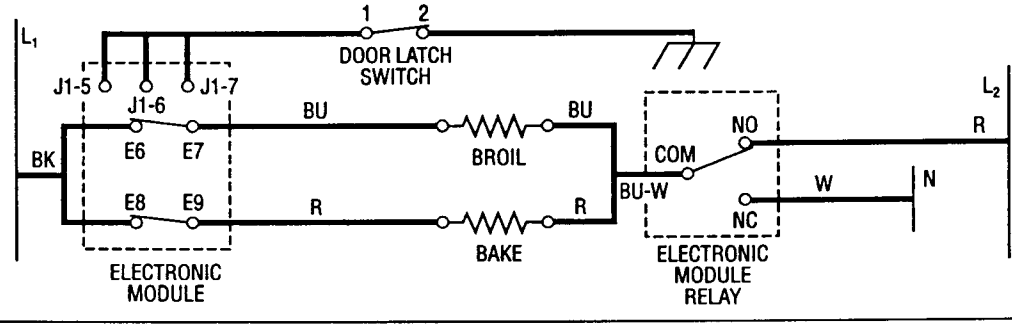
BROIL



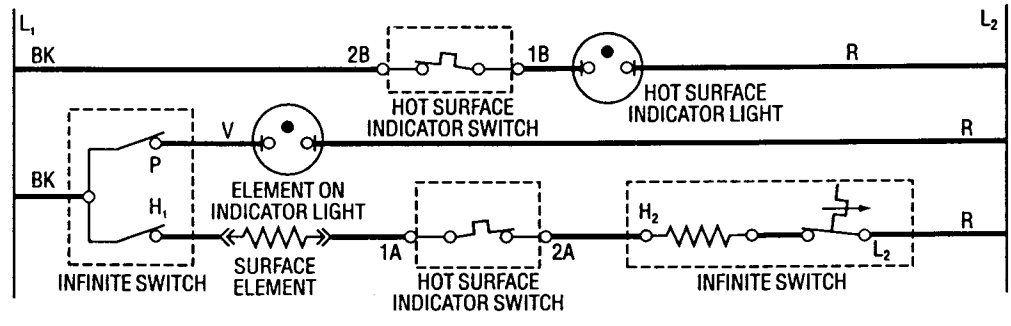
OVEN LIGHT



CLEAN



SURFACE UNIT



PART NO. 3183603

NOTE: This sheet contains important Technical Service Data

FOR SERVICE TECHNICIAN ONLY
DO NOT REMOVE OR DESTROY