SEARS

TECHNICAL FLASH

Department 731A Toronto

T.F. 22 - 78
August 31, 1989

SERVICE MANUAL

ELECTRIC BUILT-IN OVEN

MODELS:

911.47890C2

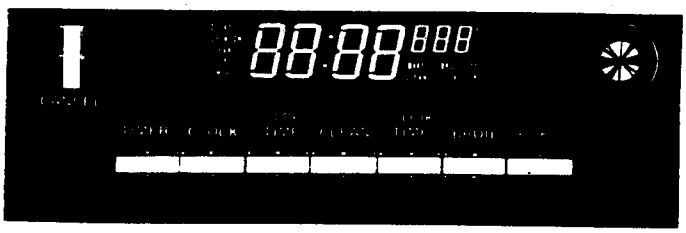
911.47891C2

27" ELECTRIC SELF-CLEANING-WALL OVEN

278.47890C2 - White
278.47891C2 - Black

RATING PLATE

The Rating Plate is located behind the oven door on the front frame of the oven.



TO SET THE CLOCK

1. Push CLOCK button.
2. Turn SET knob to correct time of day.

TO SET MINUTE/SECOND TIMER

1. Push TIMER button.
2. Turn SET knob to desired amount of time (up to 9 hours and 59 minutes). Timer will begin to count down within a few seconds.
3. When time is up the End-of-Cycle Tone (3 long beeps) will sound and display will return to time of day.

NOTE: The control displays both minutes and seconds for the first hour.

TO CANCEL THE TIMER

Push and hold TIMER button for three seconds.

TO BAKE

1. Push the BAKE button.
2. Turn the SET knob until desired temperature is displayed.

A one second beep will sound when the oven has preheated to and stabilized at selected temperature.

3. When finished baking push CANCEL.

TO BROIL

1. Push BROIL button.
2. Turn SET knob until your choice of HI BROIL or LO BROIL is visible in the display.
3. When finished push CANCEL.

TO USE AUTOMATIC OVEN TIMER

1. Push COOK TIME button.
2. Turn SET knob to set length of baking time.
3. Push BAKE button.
4. Turn SET knob to set desired temperature.

When cook time is complete End-of-Cycle Tone will sound and the oven will shut off.

TO DISPLAY START OVEN TIMER

1. Push COOK TIME button.
2. Set baking time with SET knob.
3. Push STOP TIME button.
4. Turn SET knob to time of day baking should be complete.
5. Push BAKE button.
6. Turn SET knob to desired temperature.

When cook time is complete End-of-Cycle Tone will sound and the oven will shut off.

HOW TO CHANGE A PROGRAM

When a function has been entered, you can recall what has been programmed by pushing the corresponding function button. The messages in the display show you which function is currently being displayed. While the function is displayed, you can change it with the SET knob. You can change any programmed function at any time.

TONE

End-of-Cycle Tone (3 long beeps - one second on, one second off): shows that a timed oven operation has reached STOP TIME or that the Minute/Second Timer has counted down.

Attention Tone (series of short beeps, 1/4 second on, 1/4 second off, until proper response is given): will sound if oven has only been partially programmed. For example, if you have selected a cook time but no temperature, you will hear the Attention Tone until you select a temperature or push oven CANCEL.

Notification Tone (single, one-second beep): indicates oven has stabilized at selected temperature.

Key Tone (single 1/10 second beep): sounds when any button is pushed.

Function Error Tone (series of very rapid beeps, 1/8 second on, 1/4 second off): display will show a failure code. Cancel Function Error Tone by pushing the oven CANCEL button. If the Function Error Tone starts again (after about 15 seconds), call for service. Disconnect the range electrical supply to stop the tone.

If the function error occurred while you were programming the Electronic Control, push the oven CANCEL button and try again.

To Cancel the Tone...If you don't want an audible tone when you push a button, you can eliminate the Key Tone by pushing and holding the oven CANCEL button until you hear a short beep (in approximately two seconds). To activate the tones again, push and hold the oven CANCEL button once more until you hear a short beep. Canceling or activating the tones should only be done when there is no oven operation programmed.

Pushing the oven CANCEL button will clear all functions except the Clock and Minute/Second Timer.

SET THE OVEN FOR CLEANING

1. Push the CLEAN button.
2. Turn SET knob in the clock wise direction.

   Display will read 3 hour 30 min.

NOTE: You can find out when the clean cycle will be finished by pushing the STOP TIME button.

The word DOOR is displayed when you try to set a clean cycle with the door open or when the oven temperature is too high.

TO SET A DELAYED START

1. Push STOP TIME button.
2. Turn SET knob to time of day when you wish cleaning to be completed (must be more than 3 1/2 hours later than current time of day.)
3. Push the CLEAN button.
4. Turn SET knob in the clockwise direction.

The words DELAY CLEAN will be on in the display until the clean cycle starts. After the clean cycle starts, the word CLEAN will be on in the display.

NOTE: During a delayed self-clean operation you can find out when the oven turns on by pushing and holding the CLEAN button.

TO STOP A CLEAN CYCLE

1. Press the oven CANCEL button.
2. Wait until the oven has cooled below locking temperature (about 20-30 minutes) and the word LOCK is off in the display.

You will not be able to open the door right away unless the oven temperature is at a safe level. If you cannot open the oven door immediately after the word LOCK goes off, wait one minute and try again.

IMPORTANT

The oven door must be closed and all controls must be set correctly for the clean cycle to work properly.

If the oven door is not closed, the word DOOR is displayed and the oven beeps continuously. Close the door, touch CANCEL and begin again.

OVEN THERMOSTAT

The oven temperature is preset at the factory but can be changed by the following procedure.

To Adjust Temperature:

1. Push the BAKE button.
2. Select a temperature between 500°F and 550°F with the SET knob.
3. Quickly (within two seconds, before the BAKE function energizes) push and hold the BAKE button for about 5 seconds.

The display will show number of degrees difference between the original factory temperature setting and the current temperature setting. If the oven temperature has never been adjusted, the display will read 00.

4. Turn the SET knob to adjust the temperature in 5°F steps. You can raise it 35°F or lower it 35°F. A minus sign (-) before the number means that the oven will be cooler by the displayed amount of degrees. If the control beeps and flashes, push the CANCEL button and start over.
5. When you have made the desired adjustment, push the CLOCK button to go back to the time of day display or to use your oven as you would normally.

NOTE: The adjustment described above will not change the self-clean temperature.

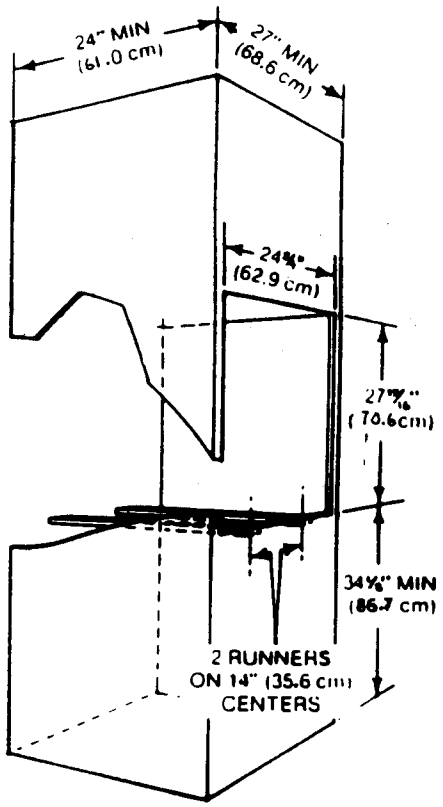
INSTALLATION AND REMOVAL

1. INSTALLATION

A. CABINET CUT-OUT DIMENSIONS
The cut-out dimensions are as shown.

B. CABINET CONSTRUCTION REQUIREMENTS

- The cabinet must have either a solid bottom or two runners, on 14" (35.6 CM) centers, capable of supporting 150 pounds.
- Oven must be fastened to cabinet with screws driven through holes provided in the oven frame



ELECTRICAL REQUIREMENTS

The electrical service must be a separate branch, three-wire, 60 Hertz, single-phase circuit, fused at 20 amperes. The electrical installation should conform to the Canadian Electrical Code and such local regulations as might apply.

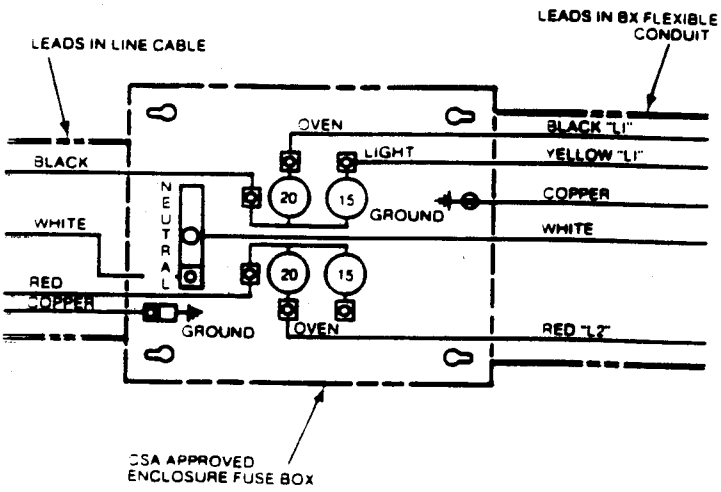
ELECTRICAL CONNECTIONS

THE ELECTRICAL POWER TO THE OVEN SUPPLY LINE MUST BE SHUT OFF WHILE LINE CONNECTIONS ARE BEING MADE. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

Install the fuse panel in an adjoining cabinet (range has 4 feet (1.2m) of conduit.

When making the wire connections, use the entire length of conduit provided. THE CONDUIT MUST NOT BE CUT.

The bare ground wire in the conduit is connected to the oven frame. Connect the other end of this wire to a ground screw in the fuse box. A white (neutral) wire is connected to the neutral base in the fuse box. Connect the other wires as shown in the diagram.



2. REMOVAL

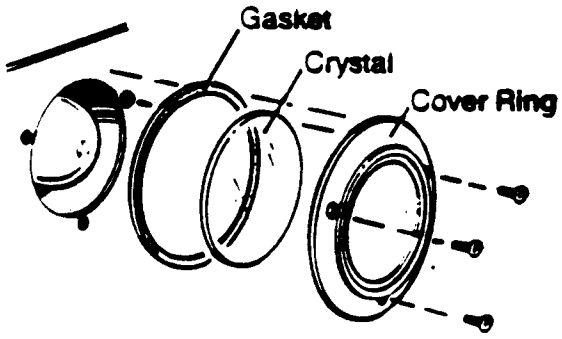
A. REMOVE SCREWS SECURING OVEN TO CABINET

Lift oven door off of hinges to lessen the weight of the oven and to expose the oven mounting. Remove the mounting screws located in the vertical trim pieces on either side of the oven.

B. REMOVE OVEN FROM CABINET.

OVEN LIGHT BULB

Before replacing the bulb, disconnect electric power to the range at the main fuse or circuit breaker panel or unplug the range from the electric outlet. Let the bulb cool completely before removing it. Do not touch a hot bulb with a damp cloth. If you do, the bulb will break.



To Remove:

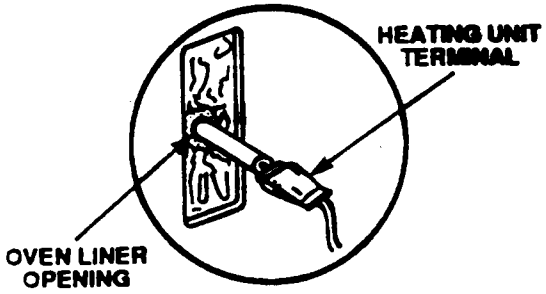
- Remove the 3 screws in the lamp cover.
- Detach lamp cover ring, crystal and gasket and remove bulb.

BAKE & BROIL UNIT SERVICE

REMOVE POWER FROM RANGE BEFORE SERVICING.

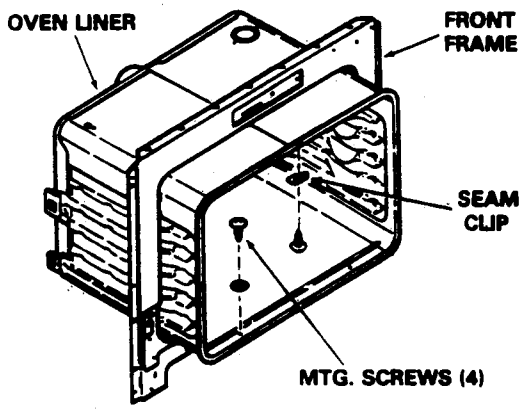
The bake and broil units can be serviced from the front. Both units use straight push on terminals. The clearance hole in the oven liner is very tight and care must be taken in pulling the unit into the oven not to knock the terminal off. If this happens the unit must be removed from the installation.

VIEW FROM REAR OF RANGE



OVEN ASSEMBLY

The oven liner is held in place by four screws and a seam clip that screw into the front frame. To remove or replace the oven liner, the product must first be removed from the installation, along with all components attached to the oven liner.

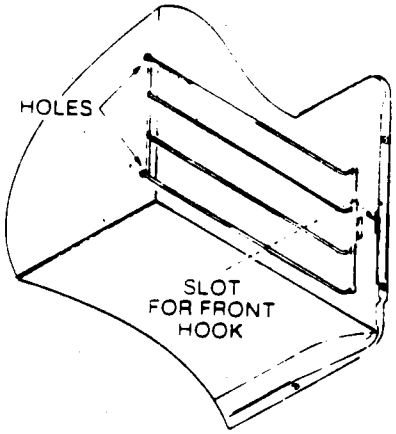


REMOVABLE OVEN RACKS AND GUIDES

Be careful not to scratch the oven finish when installing or removing oven racks.

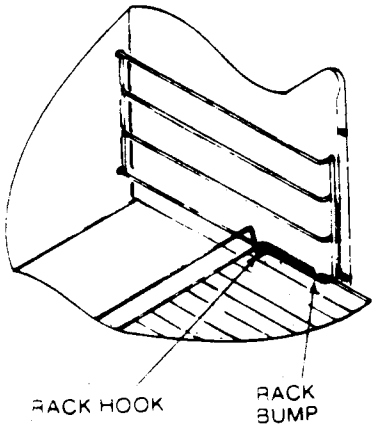
To Install:

1. Put the pegs on the end of the rack guide into the holes in the oven back.
2. Lock the front hook in the slot in the oven side.
3. Set the raised back edge of the oven racks on a pair of rack guides so the hooks at the sides of the rack run underneath the rack guides.
4. Push the rack in until you reach the bump in the rack then, lift the front of the rack a bit and push the rack all the way in.



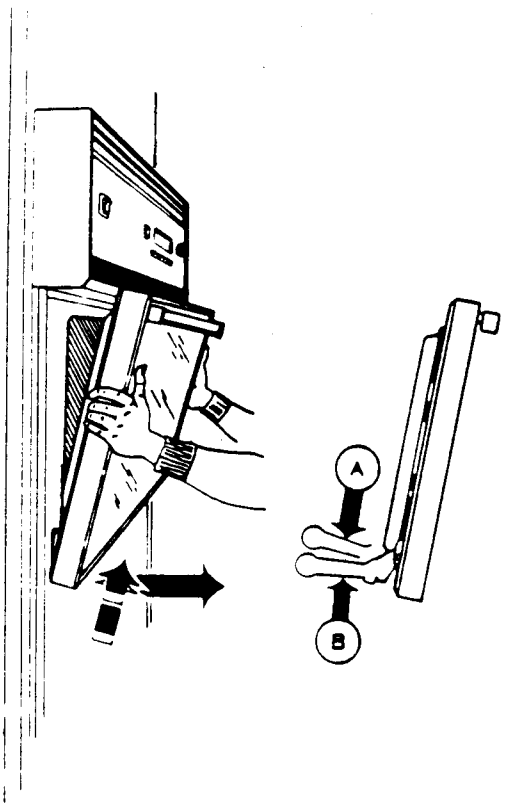
To Remove:

1. Pull the oven rack out then up in one motion.
2. Lift the front of the rack guide to unhook it from the oven wall and pull out.



REMOVABLE OVEN DOOR

The oven door can be removed for cleaning.



To Remove:

1. Open the door to the stop position and grasp the door at each side (see illustration).

2. Lift the door up a bit, then pull straight toward you.

To Replace:

1. Make sure that hinge arms are in position B (stop position)

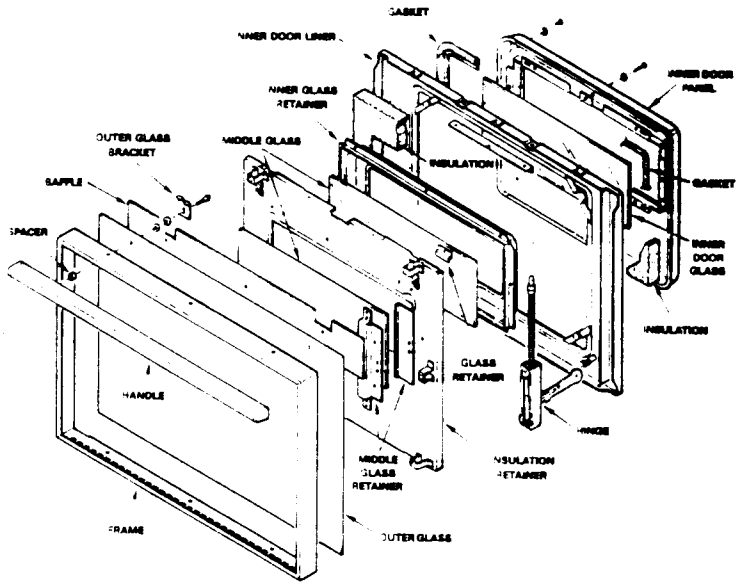
   Note: If a hinge arm snaps into position A, it must be moved back into position B before the door can be replaced.

2. Carefully insert the hinge arms through the openings in the front frame and push the door into place while holding the door up.

3. When the bottom edge of the door is flush against the front frame, allow the door to settle into place

DOOR ASSEMBLY

The door consists of four pieces of glass, insulation retainer, insulation, inner glass retainer, inner liner, gasket, inner panel and handle.



To Service:

1. Handle, frame and outer glass (Fig. 1)
   - o Remove six screws from frame and separate.
2. Two middle glass panes, insulation retainer and insulation (Fig. 1)
   - o Remove screws from middle glass retainers and lift out glass.
   - o Remove two screws from insulation retainer and separate from inner door liner.
   - o Remove four screws and retainers from inner glass retainers and remove second middle pane.

DOOR ASSEMBLY Cont.

3. Gasket and Inner Glass (Fig. 2)
   - o Remove eight screws from inner door panel and separate inner panel from inner door liner.

   NOTE: Outer door frame removal not necessary for gasket removal with inner door panel removed. The inner door glass is also accessible.

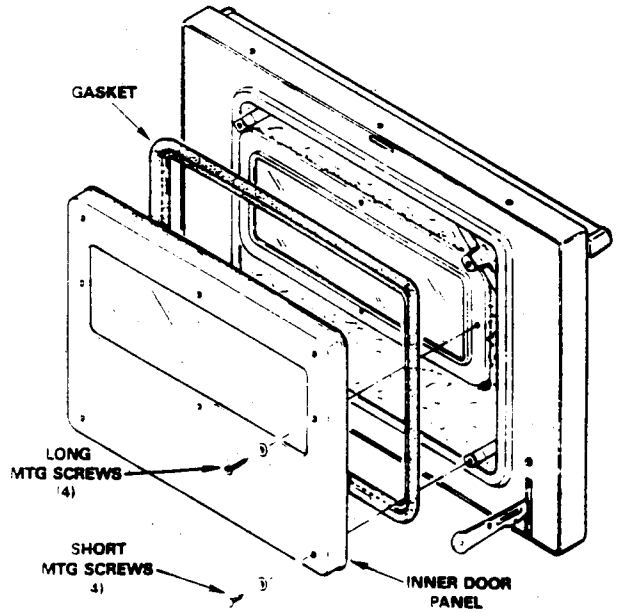


Fig. 2

DOOR HINGE

To service:

1. Remove six screws from frame and separate frame from inner door liner.

2. Hinge is now accessible and can be removed by removing two screws as depicted in Fig. 3.

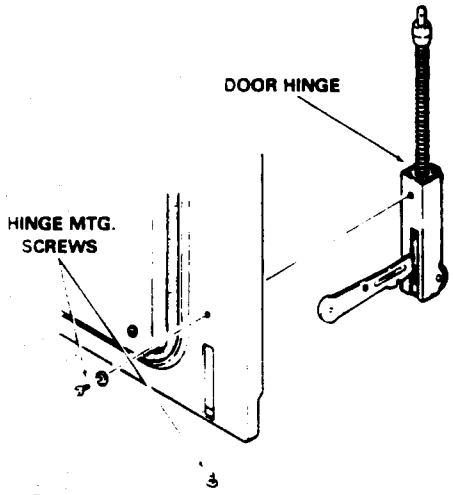


Fig. 3

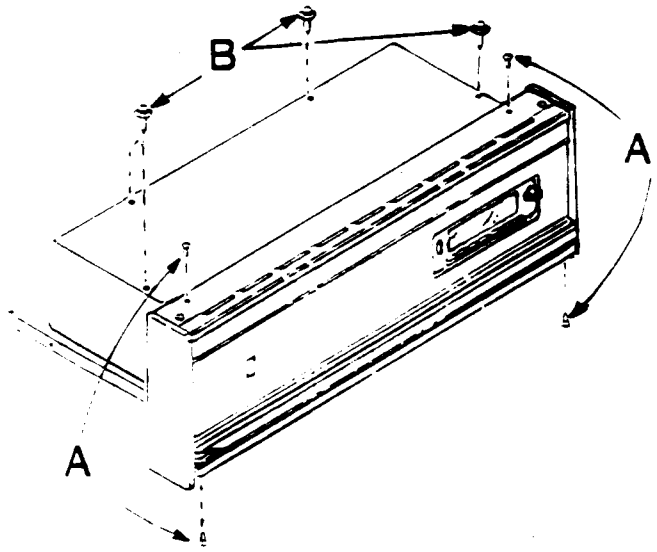
CONTROL PANEL ACCESS

Method 1 - From front of oven

- o Remove the four Phillips screws marked "A" in illustration.
- o Move panel assembly down to access components.

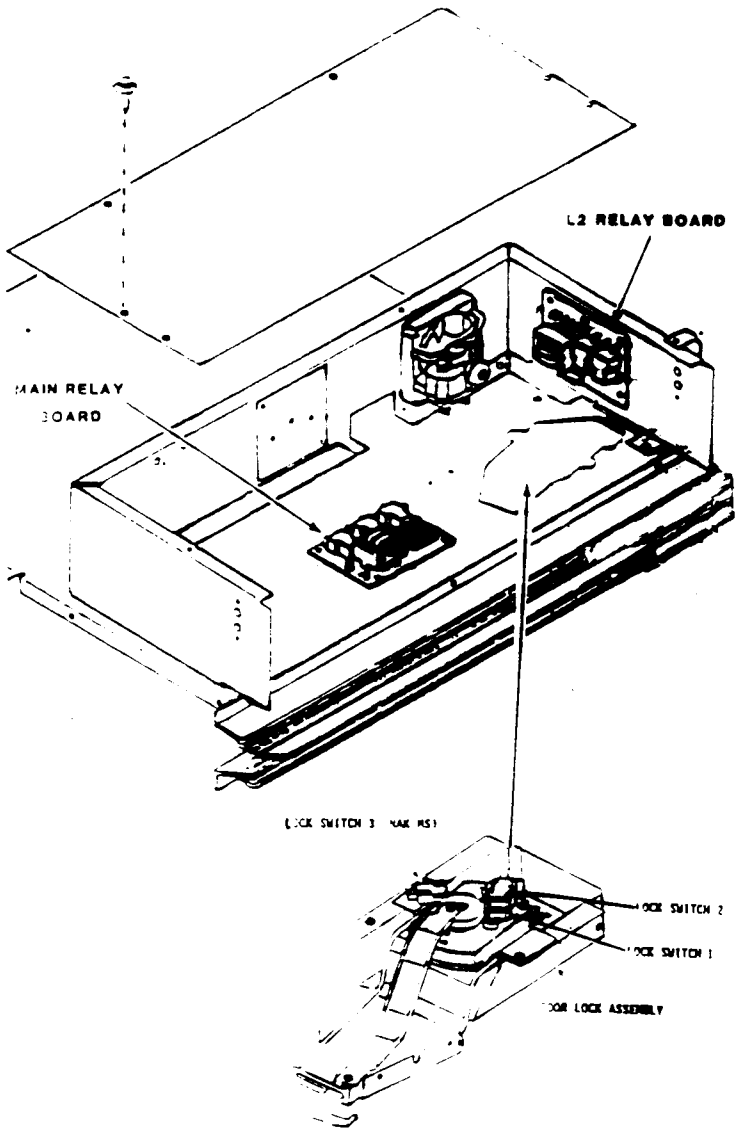
Method 2 - From top of oven

- o Remove mounting screws securing oven to cabinet.
- o Move oven out of cabinet to gain access to screws "B" in illustration.
- o Remove 4 screws marked "B".
- o Remove top of control area.



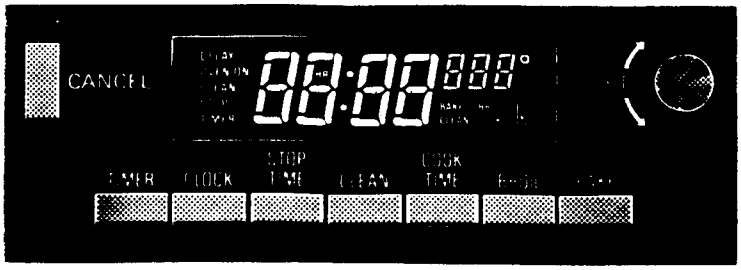
- o Removal of Top cover permits access to the following components:

1. Main Relay Board - located in center of cabinet top and mounted by plastic PC board stand-offs.
2. L2 Relay Board - located in right corner and is mounted vertically to control housing by plastic PC board stand-offs.
3. Motorized Lock Mechanism - Located in front right corner area.
4. Fan - Located in right corner and is mounted to the Control Housing. The fan is wired in series with the terminal switch. The fan is activated when the thermal switch senses temperatures of 133°F in the control panel. The fan can come on in Bake, Broil, or Clean operation and can continue to run after the oven has turned off.



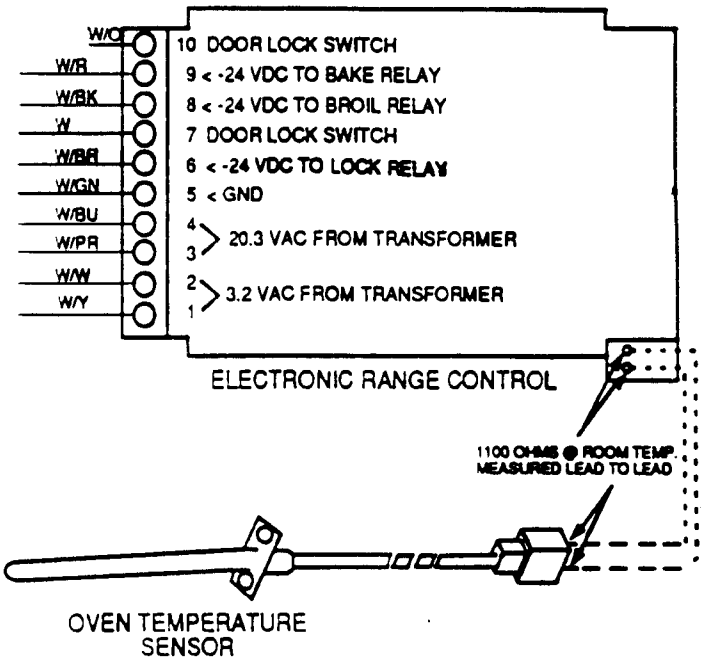
OVEN CONTROL SYSTEM

BASIC SYSTEM EXPLANATION



The oven is controlled by an ELECTRONIC RANGE CONTROL (ERC) System. The ERC function as a thermostat, selector switch and clock/timer. The system consists of the ERC, two relay circuit boards, an over temperature sensor and a motorized door lock mechanism.

The ERC is powered by a step-down transformer which is located on one of the relay circuit boards. The transformer has two secondary windings providing 3.2 V.A.C. filament voltage to light the ERC display and 21 V.A.C. which the control uses to power the coils of the oven control relays.

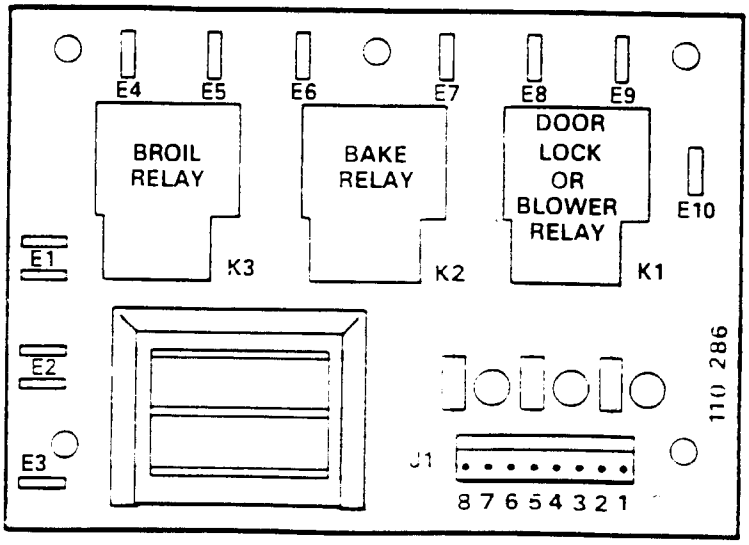


A total of 5 relays are used to control bake, broil and door lock operations. Two relays control the BAKE circuit, two relays control the BROIL circuit and one relay controls the door lock motor. Two relays are used in each heating element circuit to remove both sides of the line (L1 and L2) from the element when the oven is OFF.

The door lock relay is used to power a door lock motor which drives an automatic door lock device. The door lock relay is energized immediately when self clean is selected and will remain energized until the clean cycle has ended and the oven has cooled to a safe temperature.

NOTE: When power is initially applied to the appliance or if power has been interrupted for any reason, the ERC will cycle the automatic door lock thru a lock, then unlock cycle.

The ERC monitors the oven temperature through the oven temperature sensor. The sensor is mounted on the rear wall of the oven interior. The sensor functions by changing in electrical resistance with changes in oven temperature. The ERC translates the change in sensor resistance into oven temperature and cycles the BAKE or BROIL relays to maintain the desired setting.



RELAY CIRCUIT BOARD

BAKE OPERATION

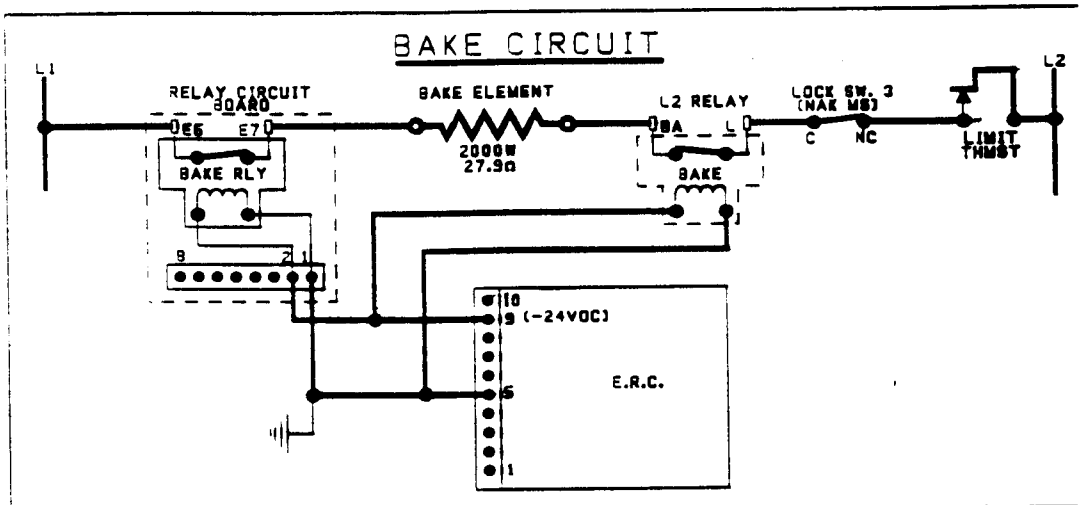
- Press BAKE and select a temperature with the set control.
- The ERC applies - 24 VDC to the coils of the Bake relays causing the relay contacts to close (audible click).
- As the Bake element begins to heat the ERC displays 100°(F) which is the lowest temp. the control is capable of displaying.
- As the oven temperature increases above 100°, the pre-heat temperature is displayed as it rises in 5° increments.
- Pre-heat tone is sounded in conjunction with the second ON cycle of the BAKE relays or, on newer controls in conjunction with the first OFF cycle of the BAKE relays.
- Both Bake relays will cycle to maintain the oven at the desired temperature.
- Press CANCEL to end the Bake operation.

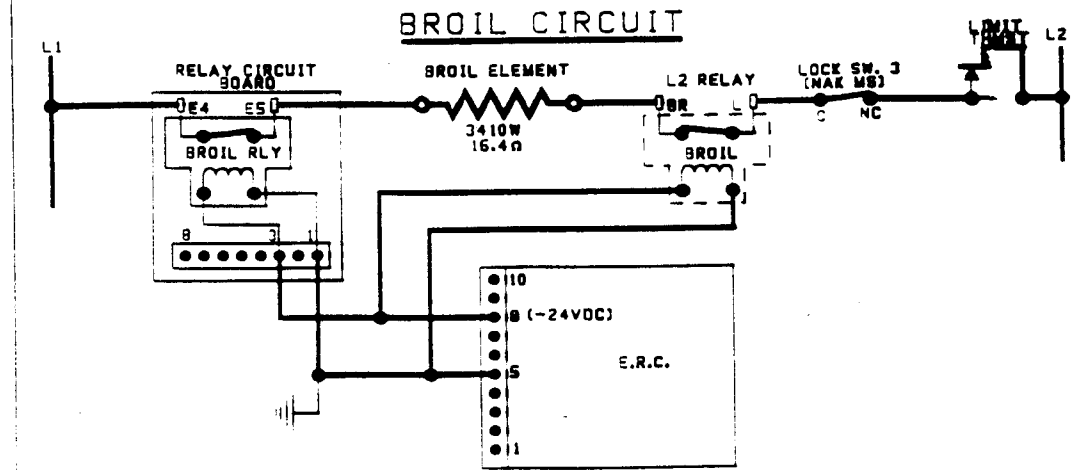
BROIL OPERATION

- Press BROIL and select HI or LO with the SET control.
- The ERC applies -24 VDC to the coils of the BROIL relays, causing the relay contacts to close (audible click).
- HI BROIL is achieved by operating the broil element at full power until the oven reaches 550°(F).

LO BROIL is achieved by operating the broil element 48 seconds of every minute and by limiting the maximum LO BROIL temperature to 450°(F).

NOTE: A BAKE/BROIL High limit thermostat is in the L2 circuit between the incoming line and the L2 relay board. The limit thermostat will interrupt power to the L2 relay board if the oven temperature exceeds 625°F. The limit thermostat is by-passed during self-clean operation.





SELF-CLEAN OPERATION

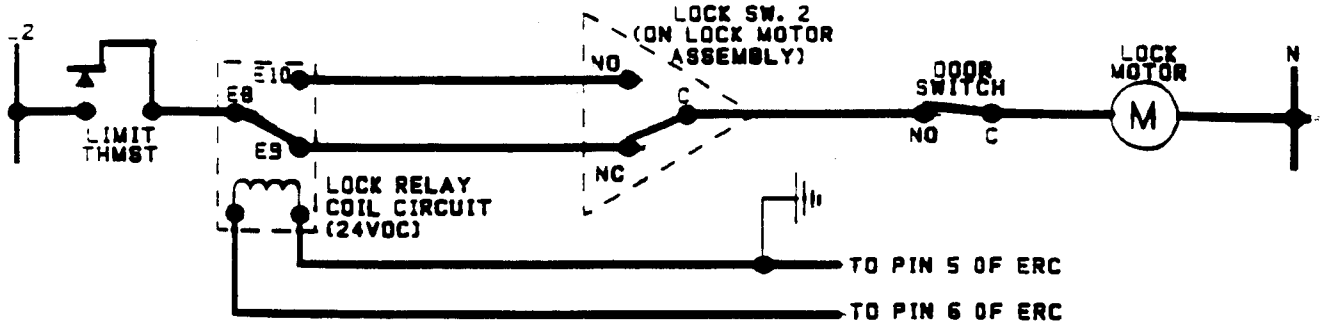
TO START A CLEAN CYCLE

- Press CLEAN
- Turn the SET knob in clockwise direction. Displays 3 hrs. and 30 min.

PROCESS

DOOR LOCKS IMMEDIATELY - The ERC applies -24 VDC to the lock relay coil, closing lock relay contacts E8(C) and E9(N.O.) Voltage (120 VAC) is now applied to the door lock motor and the motor begins to operate. The oven door must be closed, closing door switch contacts C to N.O., before the lock motor will operate.

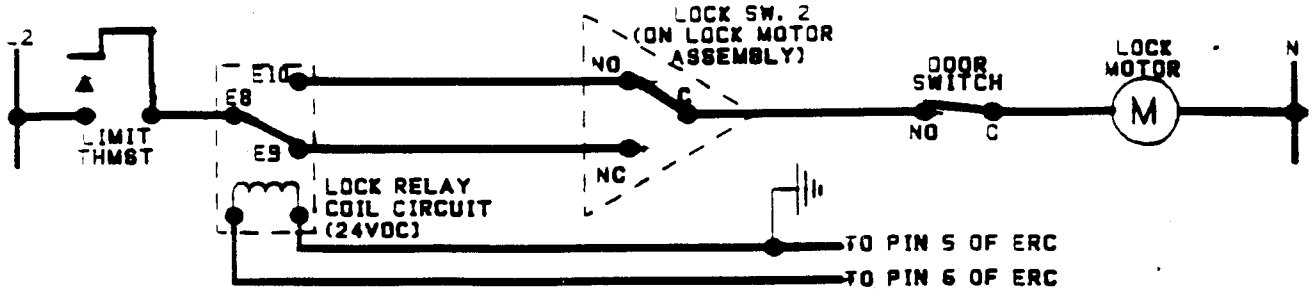
DOOR LOCK-LOCKING



As the motor revolves 180°, a cam attached to the motor shaft performs the following functions:

- Pulls the lock arm into the locked position securing the door for the clean cycle.
- Closes lock switch 1, contacts C to N.O. which illuminates the LOCK word in the control display and tells the control the door is locked.
- Closes lock switch 2, contacts C to N.O. which removes power from the lock motor and completes a circuit thru contact C to N.C. in preparation for the unlock cycle.
- Closes lock switch 3, contacts C to N.O. which removes the BAKE/BROIL High limit safety thermostat from the heating element circuits.

DOOR LOCK-LOCKED



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CLEAN CYCLE BEGINS

The BROIL element only operates for the first 30 minutes of the clean cycle. The BAKE element only operates the remaining 3 hours of the clean cycle.

As the oven heats to approx. 625°(F), the Bake/Broil safety limit thermostat opens. This opens the circuit to the lock relay contacts, but does not effect the heating element circuits.

The opening of the circuit to the lock relay by the BAKE/BROIL safety limit thermostat provides an additional safety factor to prevent the door from unlocking during clean. (The ERC will not allow the door to unlock until the oven temperature cools to approx. 375°F.)

The clean temperature will average approx. 860°F.

A cooling fan will operate during the clean cycle to keep the control panel cool. The fan is controlled by a thermal switch. It is not unusual for the fan to operate and possibly cycle on and off after a clean cycle has ended.

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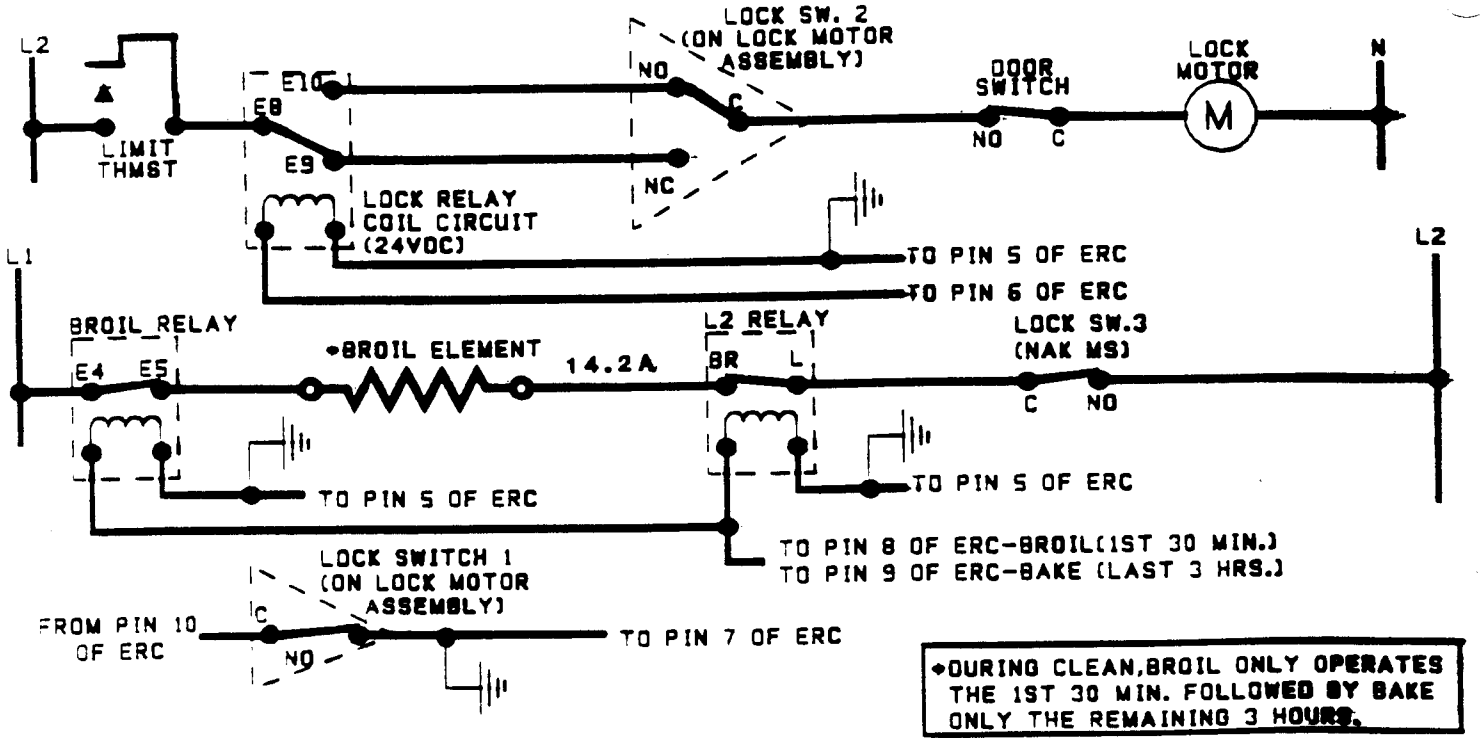
CLEAN CIRCUIT



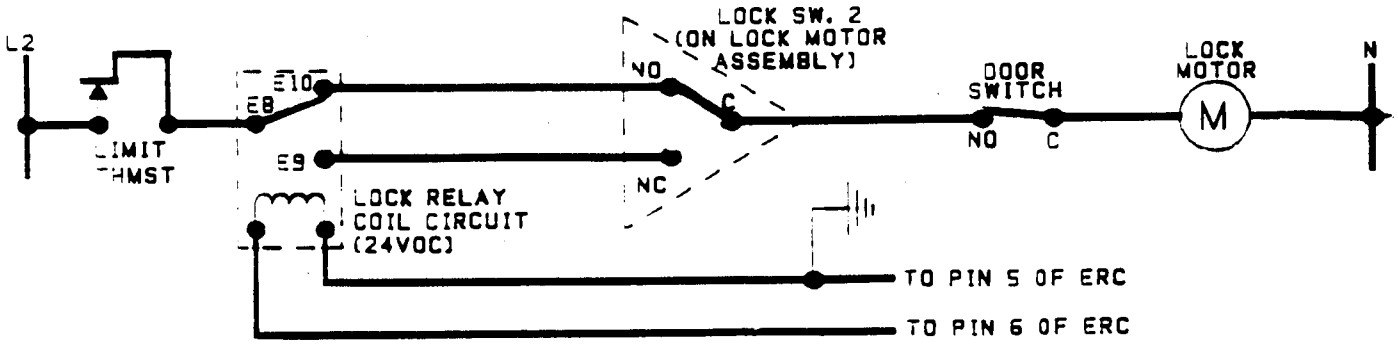
AFTER THE CLEAN CYCLE HAS ENDED

As the oven temperature cools to approx. 600°F, the BAKE/BROIL safety limit thermostat contacts close, restoring power to the lock relay contacts. This has no effect on the circuit as the ERC will not unlock the door until the oven has cooled to approx. 375°F.

As the oven reaches approx. 375°F, the ERC removes power from the coil of the lock relay. Relay contacts E8 (C.) and E9 (N.O.) open and contacts E8 (C) and E10 (N.C.) close to apply power to the lock motor. The lock motor cam revolves 180° to perform the following:

- o Pulls the lock arm into the unlocked position allowing the door to be opened..
- o Opens lock switch 1 which removes the Lock word from the control display.
- o Opens lock switch 2, contacts C. to N.O. which removes power from the lock motor and closes contacts C. to N.C. in preparation for the next clean cycle.
- o Switches lock switch 3 from C to N.O. to C. to N.C., placing the BAKE/BROIL High Limit Safety thermostat into the heating element circuits.

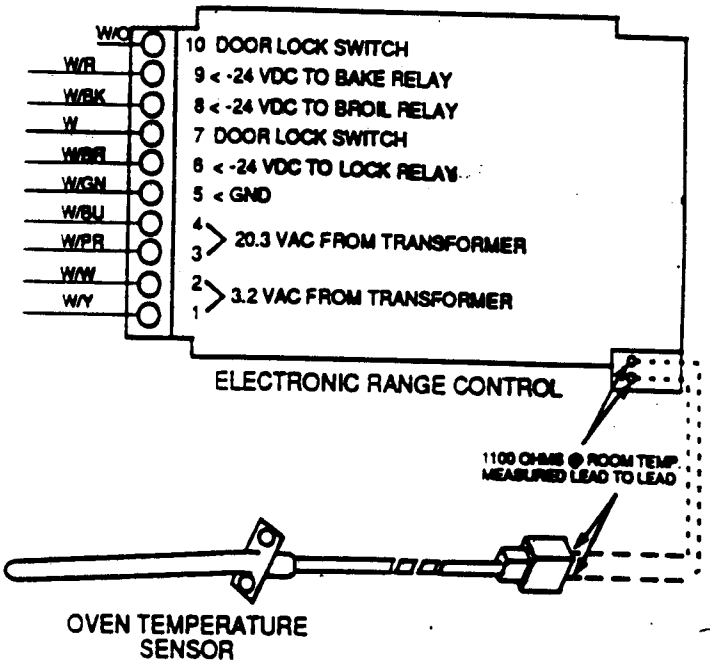
UNLOCK CIRCIUT



1. ERC Output & Input Voltage-Test Procedures

With power applied and all wire harnesses connected, measure the voltages present at the ERC harness pins as follows:

ERC PIN NO(S)	VOLTAGE IN MODE OF OPERATION
9 to Ground	Approx. -19 to -24 VDC In Bake
8 to Ground	Approx. -19 to -24 VDC In Broil
6 to Ground	Approx. -19 to -24 VDC In Clean
5 to Ground	0 Volts All Modes
4 to 3	Approx. 21 VAC - All Modes
2 to 1	Approx. 3.2 VAC - All Modes



2. Sensor Circuit Components

The Sensor Circuit consists of:

- o Oven Sensor
- o Sensor Wiring and Wire Harness connectors

- o Oven Sensor

The oven temperature sensor functions by changing its resistance with oven temperature change.

The resistance of the sensor will range from approximately 1100 ohms at room temperature (75 degrees), up to 2650 Ohms at self-clean temperature (865 degrees).

a. Sensor Resistance Test at ERC

Remove power from range.
Remove sensor harness disconnect from ERC (2 wire disconnect on right side of ERC).
With Ohmmeter set for RX100, check the resistance across the two sensor leads. The sensor resistance should be approximately 1100 Ohms with oven at room temperature. If sensor circuit reads open or shorted, test sensor at oven disconnect to determine if problem is in sensor or sensor harness.

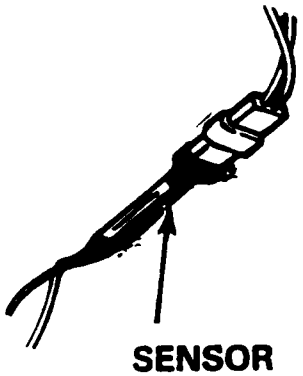
b. Sensor Resistance Test at Oven Disconnect
Remove power from range.
Remove 2 screws securing oven sensor to upper right corner of oven cavity back.
Gently pull sensor forward until sensor wire harness disconnect is accessible.
Disconnect sensor from sensor harness and resistance test sensor.

NOTE: When re-installing sensor, be sure sensor disconnect is pushed all the way through oven cavity and mainback, keeping the sensor disconnect visible from the rear of the range. If improperly positioned against oven cavity, sensor disconnect will melt the clean cycle.

CAUTION: when ohmmeter testing at harness connector, be sure meter probes do not bend terminals within the connectors.

3. Thermal Fuse

The purpose of this device is to shut down all oven heating operations in the event of a cooling fan failure or any other condition which could expose the electronic range control to excessive temperatures. The thermal fuse is placed in the oven sensor circuit and is wired in series, between the RC and the oven sensor.



SENSOR
THERMAL FUSE

If exposed to abnormally high temperatures, the thermal fuse opens, placing the oven control into an -F3- (open sensor circuit) failure condition which causes the ERC to go into an "OFF" or "CANCEL" condition.

The thermal fuse is non-resetable and must be replaced. Look for the cause of the overheating condition before replacing the thermal fuse.

CAUTION: WHEN OHMMETER TESTING AT HARNESS CONNECTOR, BE SURE METER PROBES DO NOT BEND TERMINALS WITHIN THE CONNECTORS.

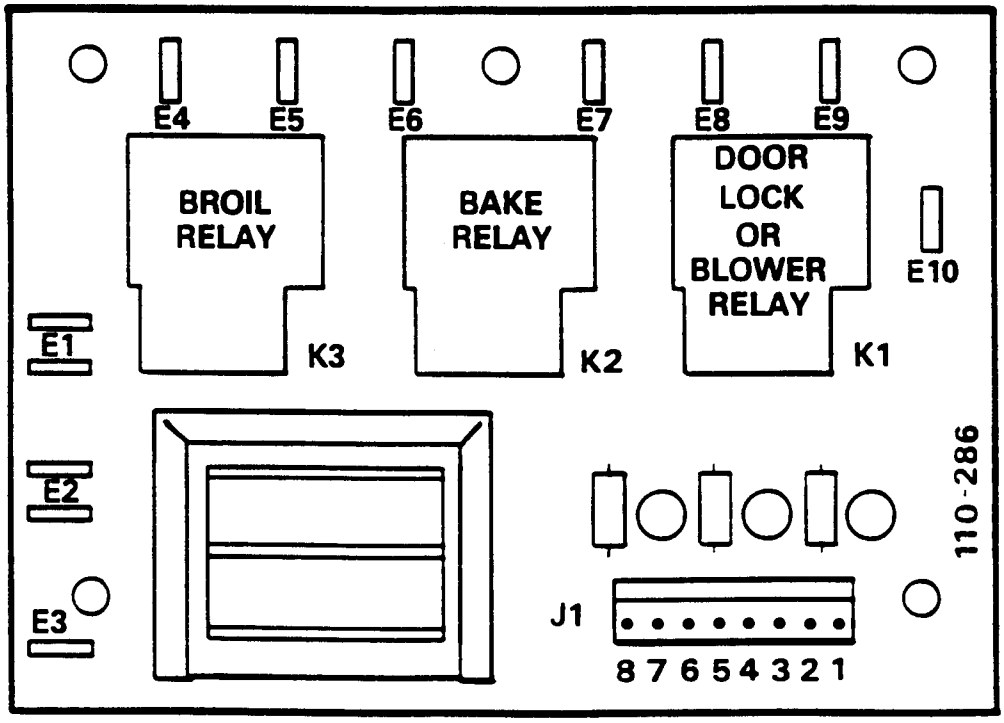
4. Main Relay Circuit Board

a. Input and Output Terminal Identification

Terminal No.	Circuit	Condition
E2	Incoming Neutral	To Transformer Only
E1	Incoming Line Voltage	Feeds Transformer & Relays
E3	Ground	Grounds Transformer Only
E6 to E7	Bake Relay Contacts (K2)(RL2)	Normally Open
E4 to E5	Broil Relay Contacts (K3)(RL3)	Normally Open
E8 to E9	Door Lock Contacts(K1)(RL1)	Normally Open
E8 to E10	Door Lock Contacts (K1) (RL1)	Normally Closed

b. Ohmmeter Test

Terminal No.	Component	Resistance
E1 to E2	Transformer Primary	120 to 150 Ohms
Pin 7 to Pin 8	Trans. Secondary (3.0 VAC)	3 to 4.5 Ohms
Pin 5 to Pin 6	Trans. Secondary (20.3 VAC)	3.5 to 5. Ohms
Pin 4 to Pin 1	Lock Relay RL1 (K1)	600 Ohms
Pin 3 to Pin 1	Broil Relay RL3 (K3)	600 Ohms
Pin 2 to Pin 1	Bake Relay RL2 (K2)	600 Ohms



5. L2 Relay Circuit Board

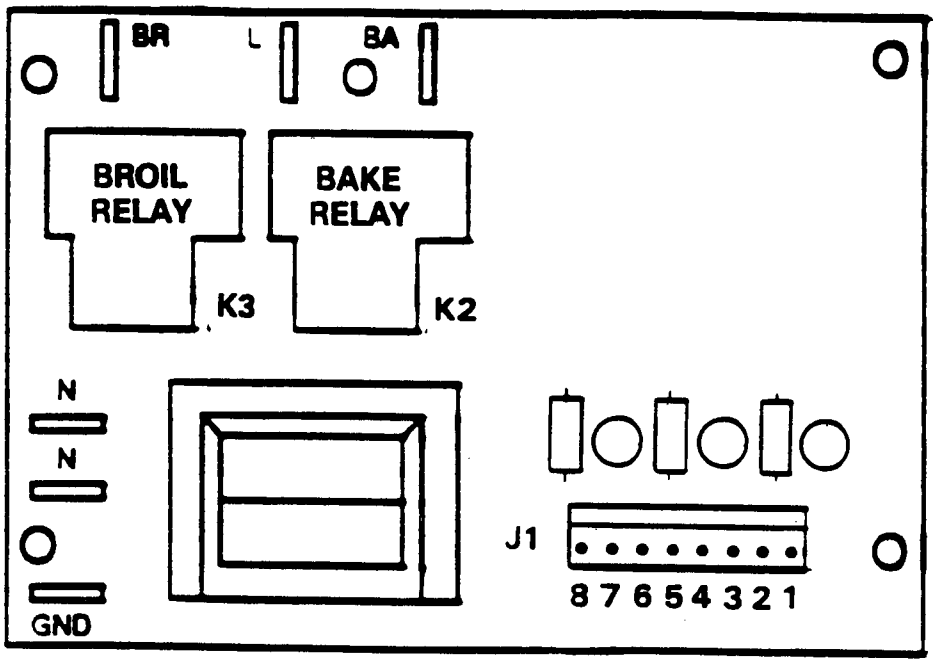
a. Input and Output Terminal Identification

Terminal No.	Circuit	Condition
L to BA	Bake Relay Contacts (K2)(RL2)	Normally Open
L to BR	Broil Relay Contacts (K3)(RL3)	Normally Open

b. Ohmmeter Test

Terminal No.	Component	Resistance
Pin 3 to Pin 1	Broil Relay RL3 (K3)	600 Ohms
Pin 2 to Pin 1	Bake Relay RL2 (K2)	600 Ohms

L2 RELAY CIRCUIT BOARD



ERC FAILURE CODES

FAILURE CODE	MEANING	CORRECTION
F0	o Failed Transistor in Control	o Replace Control
F1	o Failed Transistor in Control	o Replace Control
F2	o Oven Exceeded 590°F with door in unlocked position or exceeded 990°F with door locked. o High resistance connection within sensor circuit. o Temperature sensor exposed to temperature of 40°F or lower. o Interference from cordless telephone, ham radios or other sources of electrical disturbance. o Moisture	1. Test Operation of door lock switch on self clean models. 2. Test relay contact operation.
F3	o Open Sensor Circuit or Sensor o Sensor lead shorted to ground o Intermittent Sensor harness connections	o Test resistance of Sensor circuit, both lead to lead and lead to ground at plug on ERC.

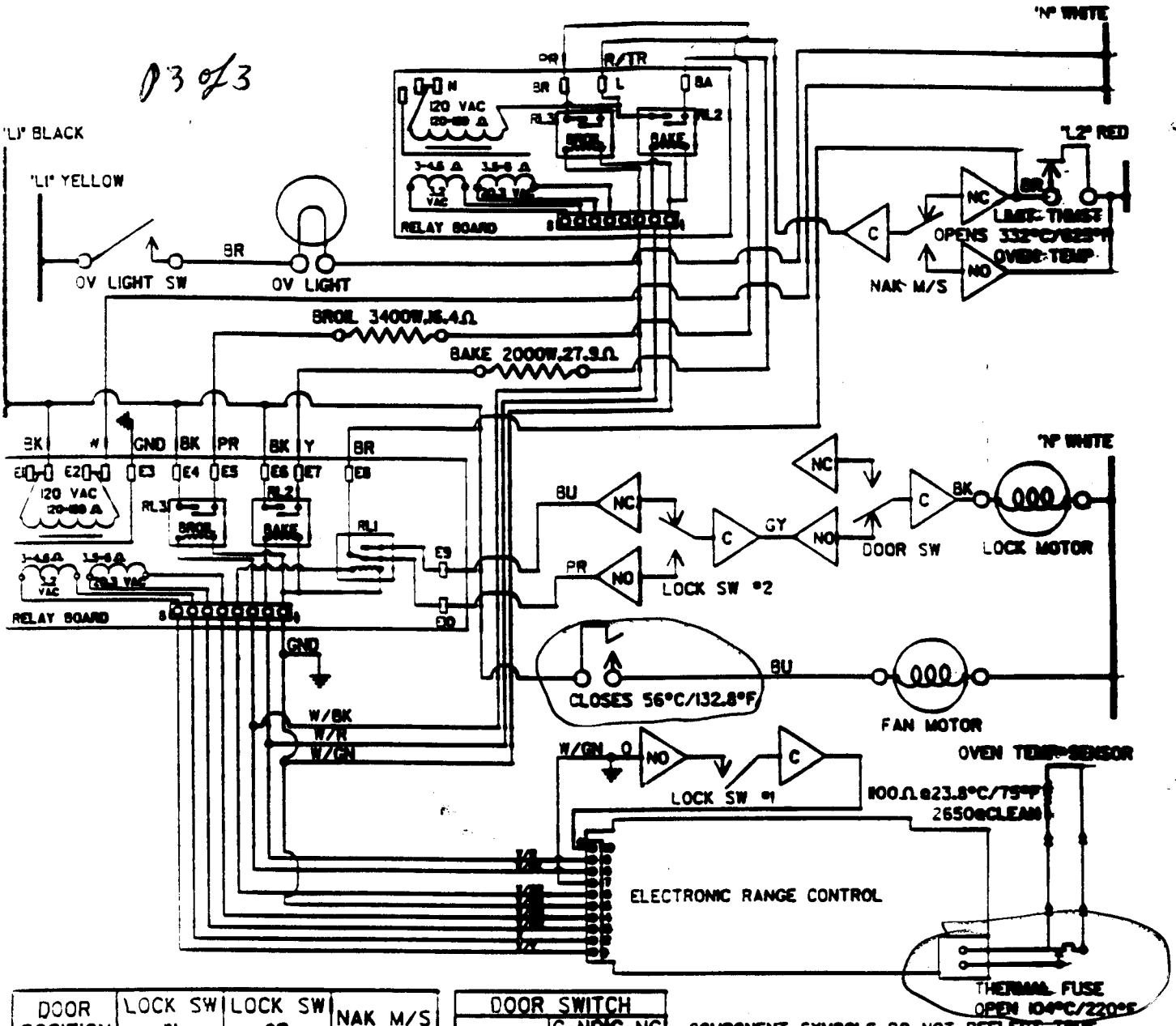
NOTE: Connections can be intermittent due to a corrosive build-up between the connections or due to the terminals within the harness connections being bent by the insertion of an ohmmeter probe, etc.

o Cut Sensor Leads	o Examine leads where they exit back of cavity.

Melted sensor connector due to connector being positioned against back of oven cavity. The sensor connector must be positioned outside of the oven back, keeping the connector visible from the rear of the range.

P3 of 3

-F4-	1. Shorted sensor or short in sensor harness	1. Test resistance of circuit, both lead to lead & lead to ground.
	2. Melted sensor connector due to connector being positioned against back of oven cavity. The sensor connector must be positioned outside of the oven back, keeping the connector visible from the rear of the range.	
-F5-	Failed Transistor in Control	Replace Control
-F6-	Problem within time keeping circuits due to fluctuation of the 60 Hz power supply	Reset time and/or cooking operation if applicable.
-F7-	Stuck function switch or button (bake, broil, clean, etc.) on ERC.	Test operation of buttons to ensure they move freely. If problem cannot be found, remove lens from ERC and determine if problem is in button section of lens or in ERC.
-F8-	Component failure within ERC affecting temperature processing circuits.	Replace Control
-F9-	Problem with door lock circuit such as a pinched wire between ERC & door lock switch (lock switch #1 on motorized lock circuits).	Check wiring and test operation of switch.



DOOR POSITION	LOCK SW #1	LOCK SW #2	NAK M/S
OPEN		C-NC	C-NC
CLOSED		C-NC	C-NC
LOCKED	C-NO	C-NO	C-NO

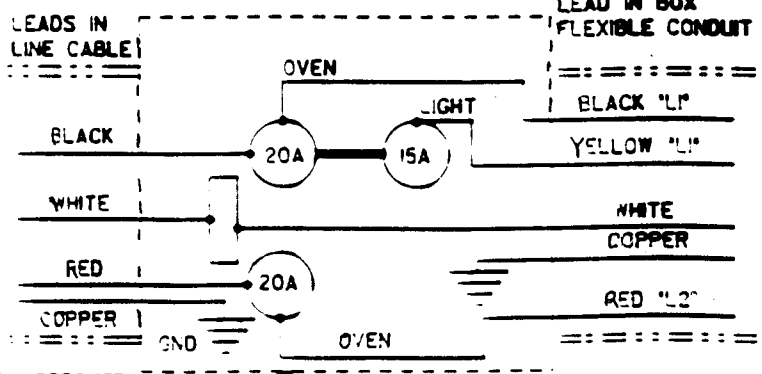
DOOR SWITCH	C-NO	C-NC
DOOR OPEN	O	X
DOOR CLOSED	X	O

COMPONENT SYMBOLS DO NOT REFLECT TRUE CONFIGURATION. ALL FEED LINE COLORS ARE AS NOTED. ALL COMPONENTS SHOWN IN "OFF" OR "RELAXED" POSITION. DOOR SWITCH SHOWN WITH DOOR CLOSED. LATCH MOTOR IN "UNLATCHED" POSITION.

OPERATION	RELAY CONTACTS		
	RL1	RL2	RL3
OFF	LtoNC		
BAKE OR TIMED OVEN	LtoNC	←	
BROIL	LtoNC		←
CLEAN	LtoNO	← ←	← ←

← CYCLING CONTACTS.

← ← IN THE CLEAN CYCLE. BROIL ELEMENT CYCLES FOR THE FIRST 30 MINUTES AND THE BAKE ELEMENT CYCLES DURING THE REMAINDER OF THE CLEANING CYCLE.



CSA APPROVED ENCLOSURE FUSE BOX —

PT. NO. LBW042-

TF 22-78