

SPECIAL FUNCTIONS

The control has a section that can be entered to change how the control will work. To enter this section:

Press and hold **BAKE** and **BROIL** pads for 2 (two) seconds and “**SF**” appears in the display. Select the area to change. When the change has been made, press **START** to return to Time of Day.

- **End-of-Cycle Tone** – Press **TIMER** pad. Display shows “**Con Beep**” when control is set for continuous **End-of-Cycle Tone** or “**Beep**” when set for noncontinuous.
- **°F or °C** – Press **BROIL** pad. Display will show either “**F**” or “**C**.” Press **BROIL** pad again to change.
- **12-Hour, 24-Hour, or blank out Time-of-Day Clock** – Press **CLOCK** pad. Display will show “**12 hr**,” “**24 hr**,” “**OFF**” for blank clock. Press again to change.
- **12-Hour Shutdown** comes set to shut down after 12 hours of continuous operation; this can be eliminated—press **DELAY START** pad. Display will show “**No Shdn.**” To turn back on, press **DELAY START** pad again and display will show “**12 Shdn.**”
- **Sales Mode** (special feature for sales floor demonstration) – Press **CLOCK** and **TIMER** pads at the same time. Display will start to cycle through the different modes of operation.
- **Sabbath Mode** – This feature disables all but Bake and Timed Bake, overrides 12-Hour Shutdown, disables beeps, and puts symbols in the display during Bake. Access by pressing **DELAY START** pad until display shows “**SabbAtH.**” Exit by pressing **DELAY START** until “**No Shdn**” or “**12 Shdn**” shows.

THERMAL SWITCH

The thermal switch is located on the floor of the component compartment in front of the fan motor. The thermal switch is wired in series with the lock motor switches. The limit switch opens at 240°F and closes when temperatures cool below 190°F. If the thermal switch opens during:

1. **Oven Temperature Below 600°F**, program is cancelled when thermal switch opens. Lock motor will run and the words “**LOCK**” and “**DOOR**” will be flashing in the display.
2. **Oven Temperature Above 600°F**, any mode of operation control will go to -F2- failure code. When this condition exists, check the fan operation (look for obstructions), inspect oven installation (make sure grille areas are not blocked), oven insulation and lock circuit.

BAKE THERMAL SWITCH

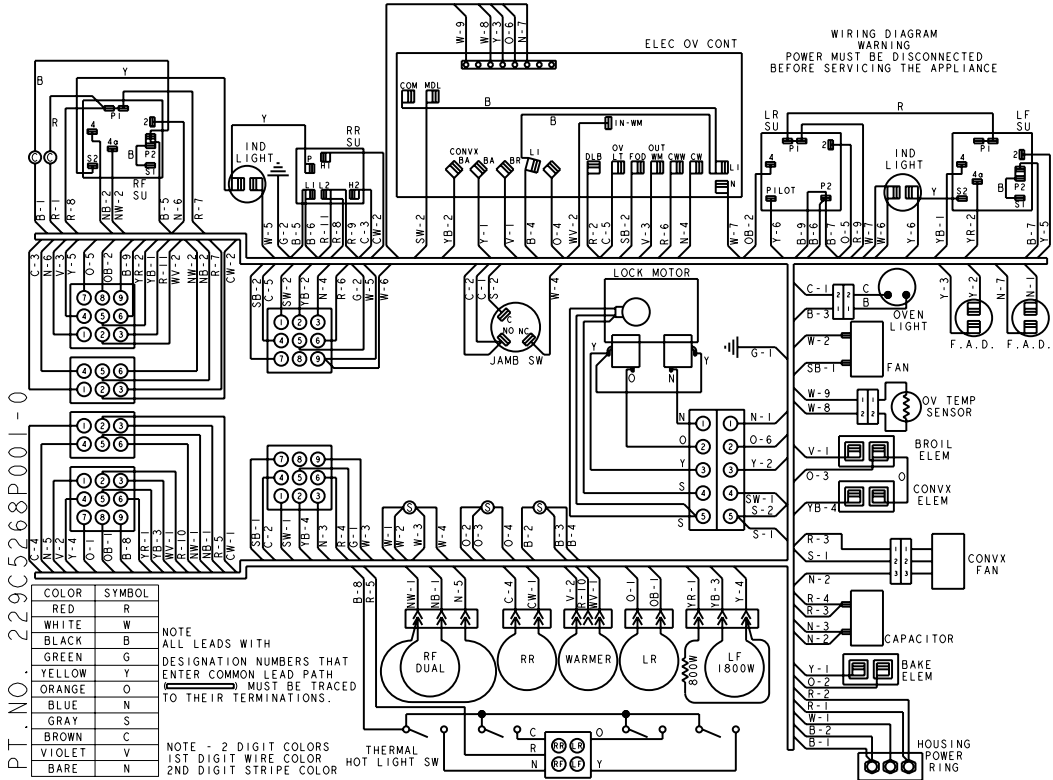
The bake thermal switch is wired in series with the lock motor switches. The limit switch opens at 162°F and closes at 140°F. If the thermal switch opens during Bake, the program is cancelled and the lock motor will run. The words “**LOCK DOOR**” will flash in the display.

ERC FAILURE CODES

The oven may stop operating but not give an F code on the display immediately. F codes are stored in nonvolatile eeprom memory until the same fault occurs twice consecutively. After that, the F code will be displayed. F codes can be recalled by pressing together **TIMER**, **CLOCK**, **MIN DOWN** or 9. While F codes are displayed, pressing **MIN UP** or 8 and **HR DOWN** or 6 together will clear them. A fault must exist continuously for 5 minutes before an F code is recorded (F2 and F8 are sooner).

FAILURE CODE	MEANING	CORRECTION
-F0-	Shorted OFF key	Determine if problem is with key panel or control by disconnecting ribbon cable and measuring flat cable pins 13 to 14. Should be open. Should be 100–150 ohms while pressing OFF key.
-F2-	Over temperature	• Welded relay contacts • Cooling fan stalled or blocked • Airflow to rear of unit • High resistance in oven sensor leads/connectors (especially at sensor in rear)
1. Inside oven cavity as measured by sensor over 650°F unlatched or 915°F latched or 2. Cooling fan stalls while oven above 650°F—open thermal switch in yellow leads		
-F3-	Open oven sensor (under 950 ohms)	• Disconnect power. Disconnect sensor harness from control. Measure sensor resistance (white leads) to be ~1080 ohms at room temperature with 2 ohms per degree change. • Look for damaged harness terminals if not a bad sensor.
-F4-	Shorted oven sensor (over 2900 ohms)	• Disconnect power. Disconnect sensor harness from control. Measure sensor resistance (white leads) to be ~1080 ohms at room temperature with 2 ohms per degree change. • Separate sensor from harness to determine fault.
-F7-	Shorted matrix or START key	Determine if problem is with key panel or control by disconnecting ribbon cable and measuring flat cable using pinout chart. Allow up to 1000 ohms when pressing a key.
-F8-	EEPROM data shift failure	If repeated, replace control.
-F9-	Cooling fan stalls while above 650°F; open thermal switch in yellow leads	Cooling fan or airflow to control area.
-FF-	Loss of latch motor safety circuit	Replace control.

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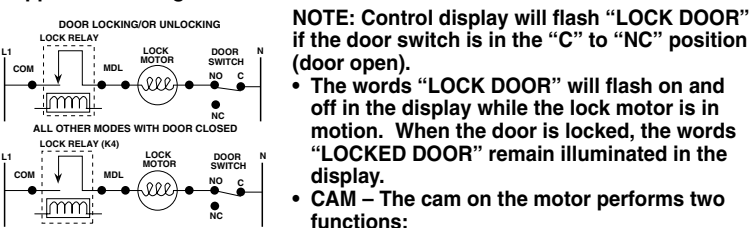


MOTORIZED DOOR LOCK

The motorized door lock assembly is located above the oven. The assembly consists of a lock motor cam and switch assembly, lock hook and mounting plate.

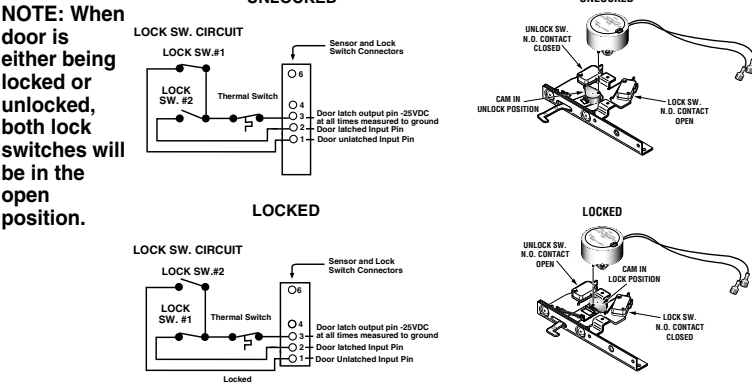
MOTORIZED DOOR LOCK OPERATION

The lock motor is energized when the control is set for Clean and Clean Time is selected. The K4 Relay contacts will close and complete the circuit that supplies the voltage to the lock motor.



NOTE: Control display will flash “**LOCK DOOR**” if the door switch is in the “C” to “NC” position (door open).

- The words “**LOCK DOOR**” will flash on and off in the display while the lock motor is in motion. When the door is locked, the words “**LOCKED DOOR**” remain illuminated in the display.
- **CAM** – The cam on the motor performs two functions:
 1. Positions the lock hook in the door to prevent opening during clean operation.
 2. Operates the lock switches which tell the control if the door is unlocked or locked and ready for Clean operation.



CONVECTION BAKE ELEMENT AND FAN ASSEMBLY

The convection bake element and fan assembly are located on the back wall of the oven liner behind the panel with the screen in the center.

TO ACCESS CONVECTION BAKE ELEMENT:

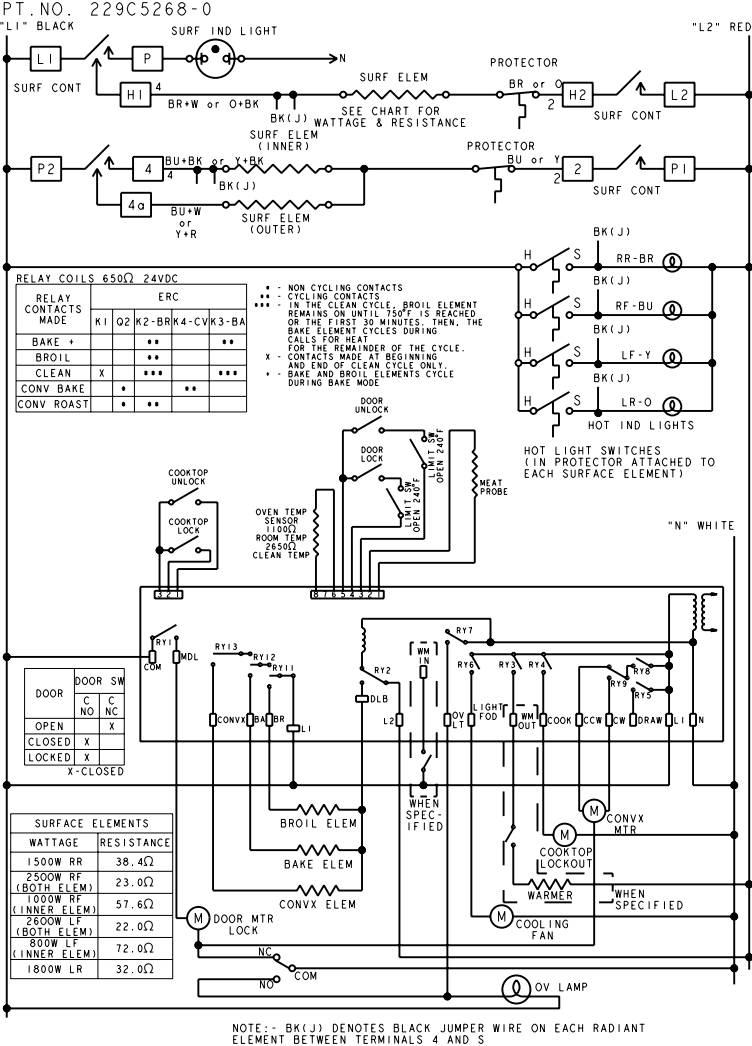
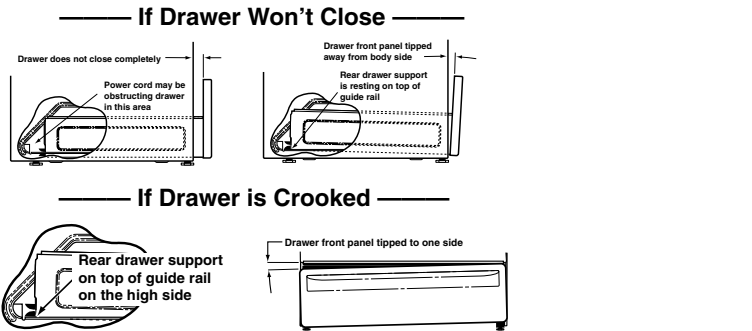
1. Disconnect power to range; remove oven door and oven racks.
2. Remove 4 screws mounting panel (2 on each side) and pull forward.

TO REMOVE CONVECTION BAKE ELEMENT:
Remove 3 screws mounting element to back wall and pull forward and disconnect wires.

TO SERVICE FAN:
Fan blade can be replaced from inside oven. Oven must be removed from installation to access convection fan motor.

STORAGE DRAWER REMOVAL

- To Remove:
1. Pull the drawer out until it stops.
 2. Lift the front of the drawer until the stops clear the guides.
 3. Remove the drawer.
- To Replace:
1. Place the drawer rail on the guides.
 2. Push the drawer in until it stops.
 3. Lift the front of the drawer and push in until the stops clear the guides.
 4. Lower the front of the drawer and push in until it closes.



MODEL NUMBERS
JS968
JCS968

IMPORTANT
SERVICE INFORMATION
DO NOT DISCARD

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