



⚠ WARNING

Electrical Shock Hazard

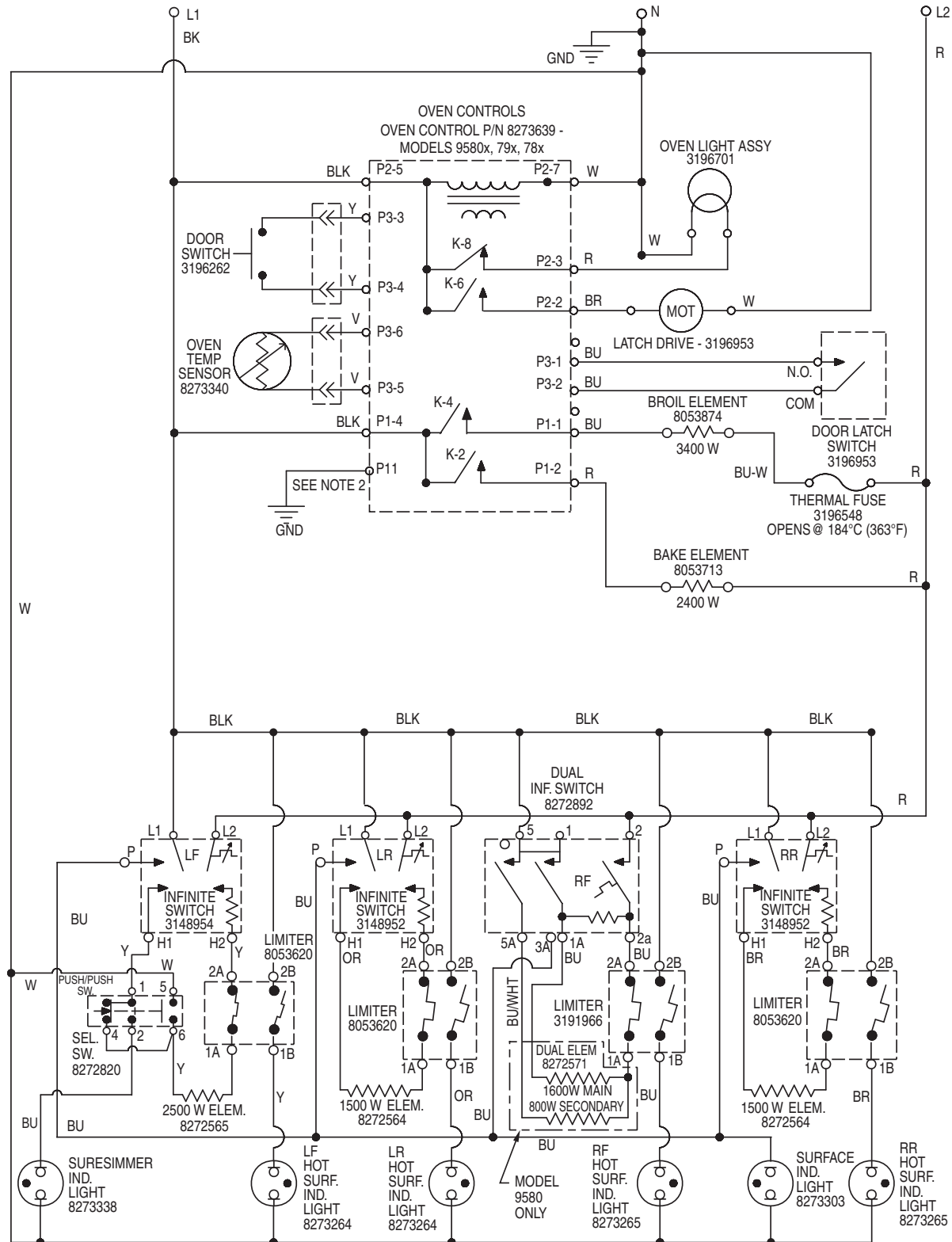
Disconnect power before servicing.

Replace all panels before operating.

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

NOTES:

1. Schematic shows door latch switch in the cook position with the oven door open, and elements off.
2. P11 is connected directly to the key pad housing as ground connection. (Without this connection, the keypad will be disabled.)

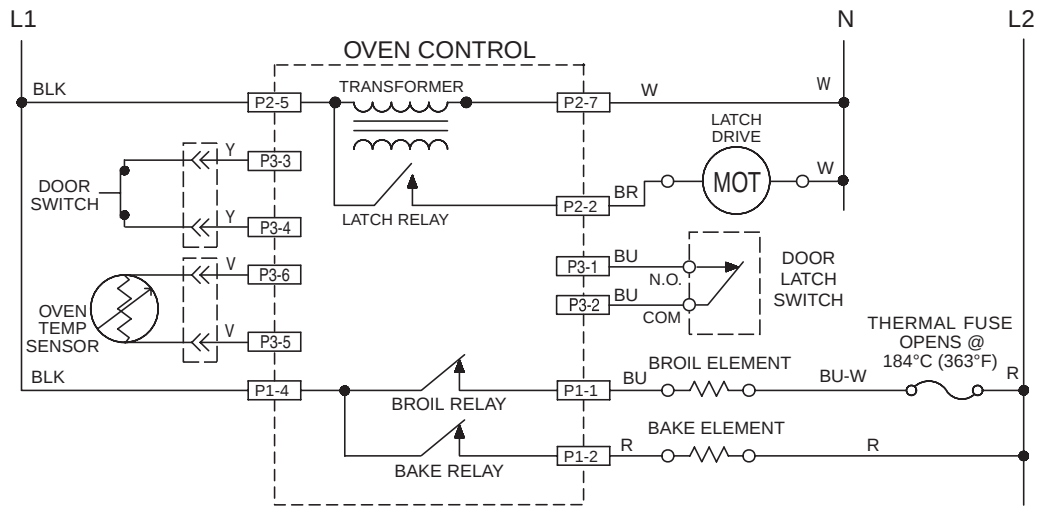


STRIP CIRCUITS

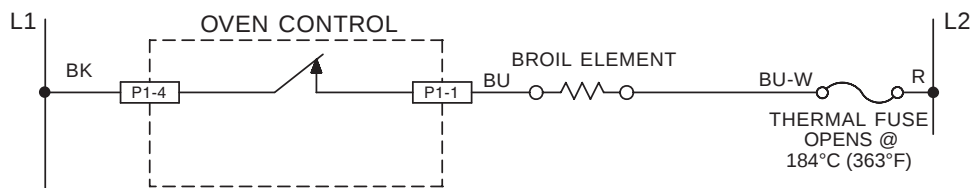
The following individual circuits are for use in diagnosis.

Before starting diagnosis, check the line voltage and for blown fuses.

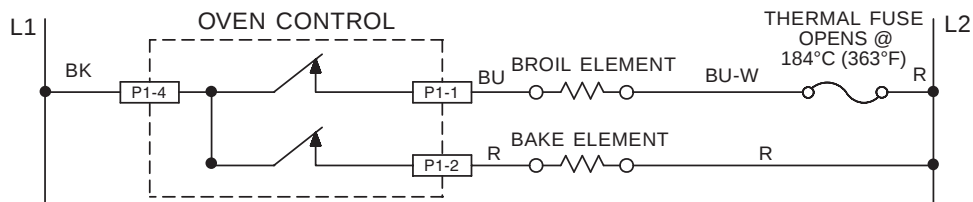
CLEAN



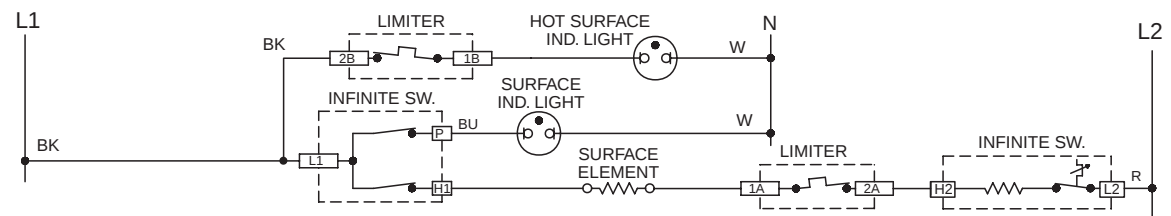
BROIL



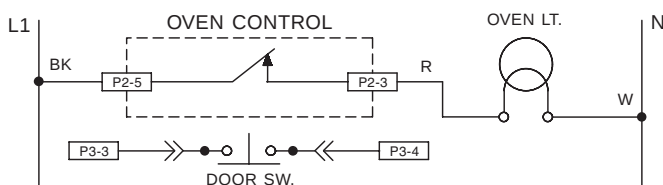
BAKE



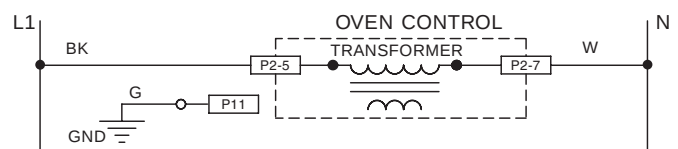
SURFACE UNIT (TYPICAL)



OVEN LIGHT



CLOCK DISPLAY ON



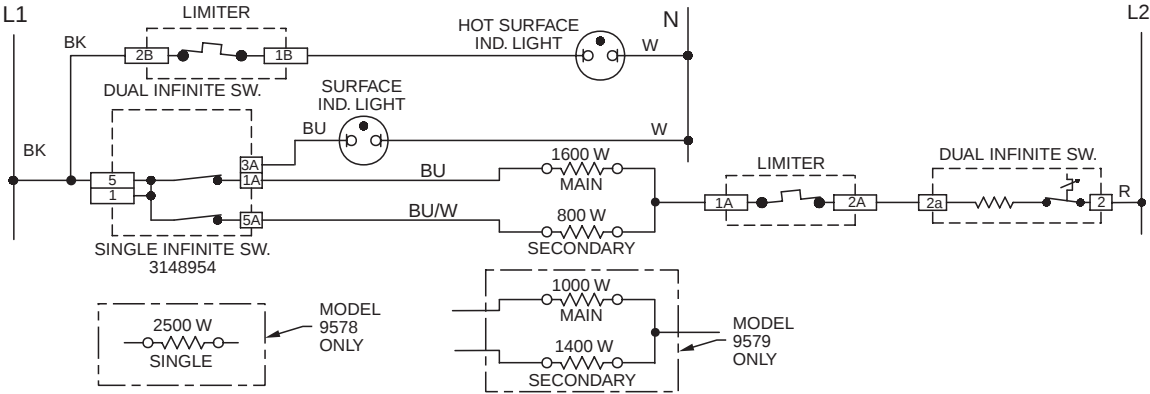
R.F. SURFACE UNIT

DUAL ELEMENT

MODEL
9580
ONLY

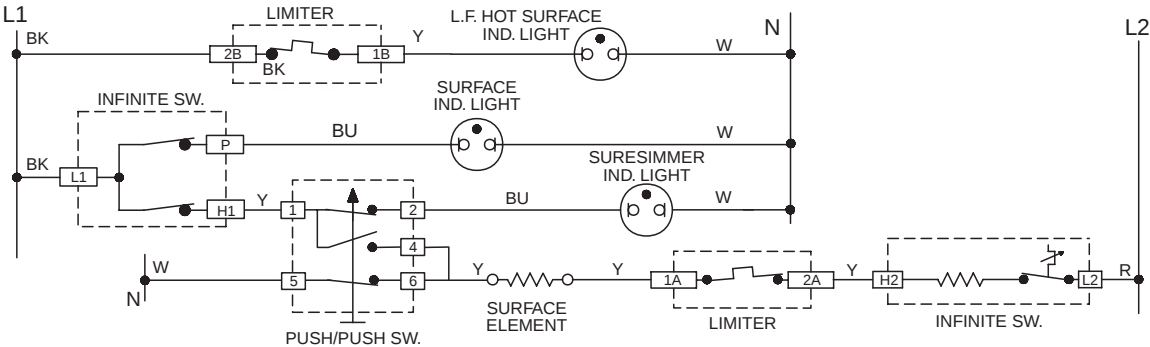
SINGLE ELEMENT

MODEL
9578
ONLY

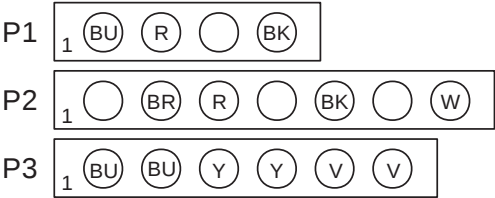


SURFACE UNIT (SURESIMMER)

MODELS
9579
9580
ONLY



QUICK DISCONNECT PLUGS



HIDDEN EOC FUNCTIONS

User activates all hidden E.O.C. functions by pressing and holding the appropriate key for 5 seconds. Below is a list of hidden functions or features:

HIDDEN FUNCTIONS	KEY
Temperature calibration offset	Bake
°F to °C	Broil
Recall last failure code	Off/Cancel
Software revision number	Start/Enter *
Disable/Enable all tones except end-of-timer and error tones	Cook Time
Disable/Enable cycle and timer-end repeating tones	Timer Set
Audible signal pitch control	Delay Start Time
Sales Demonstration Mode	Timer Off
12 Hour Shutoff	Clock

* Press after activating "Recall last failure code" feature, or while a failure code is displayed.

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
F0	E0	No Failure	1. Will only be displayed if user presses and holds CANCEL/OFF key for 5 seconds and there are no pre-existing faults. Press CANCEL/OFF to clear display.
F1	E0	EEPROM communications	1. Verify failure if not displayed, using CANCEL/OFF key. Press key for 5 seconds until last error code is displayed.
	E1	EEPROM checksum failure	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.
F1	E3	Fuel type (gas/electric) select failure	1. Verify failure if not displayed, using CANCEL/OFF key. Press key for 5 seconds until last error code is displayed. 2. Verify fuel type using START/ENTER key. Press key for 5 seconds until fuel type is displayed. 3. The first digit in the time display should read either "9" or "E". An "E" is displayed for an electric oven. A "9" is displayed for a gas oven. 4. Disconnect power longer than 30 seconds. 5. Re-apply power and repeat steps 1 and 2. 6. If fuel type changed since last power up, disconnect power and replace control, or poor baking/cleaning performance will result.
	E0	Key held down too long or shorted key	1. Verify failure if not displayed, using CANCEL/OFF key. Press key for 5 seconds until last error code is displayed.
F2	E1	Key tail unplugged or damaged	2. Disconnect power longer than 30 seconds.
	E6	Cancel key failure	3. Unlock keytail connector. Inspect connector locking tabs and keytail end for damage. Ensure locking tabs are not bent or broken and keytail is not creased or torn. 4. Reinsert keytail into connector. Ensure keytail is fully seated before locking down the connector. Once locked, tug keytail slightly to ensure lock. 5. Re-apply power and observe for longer than 1 minute. 6. If any false key presses occur or the failure remains, disconnect power, and replace keypad. 7. Repeat steps 3-6. If failure repeats, disconnect power and replace control.
	E0	Oven sensor opened	
F3	E1	Oven sensor shorted	1. Measure sensor value (between connector pins) between 1000 Ω @ 32° F and 2697 Ω @ 900° F (room temperature approx. = 1080 Ω). 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.
	E2	Bake range over temp	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.
	E3	Clean range over temp	3. Disconnect power longer than 30 seconds. 4. Re-apply power and press BAKE and START/ENTER. Observe for longer than 1 minute. 5. If failure remains, disconnect power, replace control, then go back to step 4.
F5	E0	Door and latch switches do not agree (condition exists when door switch is open indicating an open door and latch switch is closed indicating a locked door)	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 to wires and all connectors okay, proceed to step C. C) Replace door switch. D) Reapply power. E) Press CANCEL. Program and start the Clean mode. Observe for 1 minute to ensure that operation is normal.
	E1	Door latch not operating	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 to wires and all connectors okay, 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, oven light contacts are closed). 5. If corrections are made in any step, reconnect power to control. Press CANCEL. Program and start the Clean mode. Observe for 1 minute to ensure that operation is normal. 6. If failure remains, disconnect power and replace control.

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.

SURFACE UNIT FEATURES

Hot Surface Indicator Lights

When the radiant glass temperature reaches 150° F the hot surface indicator light turns on to tell the customer that the radiant glass surface is too hot to touch. The hot surface indicator light will continue to glow as long as the radiant glass is above 150° F, even after the element has been turned off.

SureSimmer

The left front element is equipped with an adjustable simmer setting. To activate the simmer feature:

1. Push in the SureSimmer button once to turn ON (if you were to push in the button again it would turn it off). When SureSimmer is on the SureSimmer light will glow.
2. Turn the left front element control knob to the desired simmer setting between LO (min.) and 4 (max.) in the shaded area on the left front element control knob.

NOTE: All other elements can be used for normal operation whether SureSimmer is in use or not.

Dual Element

The right front element is equipped with two cooking zones.

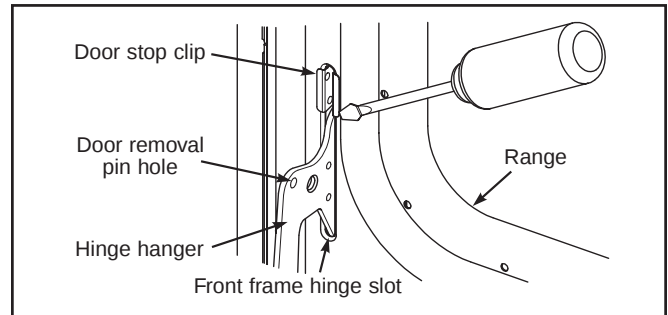
- **To use the small 6" cooking zone**, push and turn the right front control knob **clockwise** into the SINGLE area between LO and high positions.

- **To use the larger 10" cooking zone**, push and turn the right front control knob **counter-clockwise** into the DUAL area between LO and HI.

REMOVING/REINSTALLING OVEN DOOR

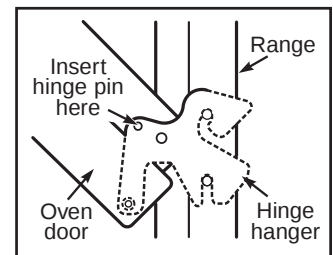
Before removing the door:

1. Use a putty knife or screwdriver and insert it at the bottom corner of the door stop clip.
2. Pry door stop clip free and remove it from front frame hinge slot. Take care not to chip porcelain.
3. Repeat procedure for other door stop clip.

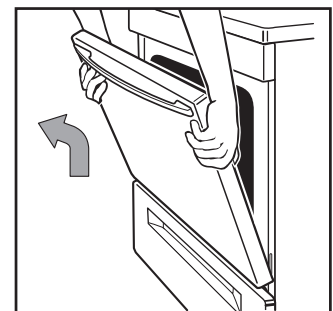


To remove oven door:

1. Open oven door approximately half-way and insert a hinge pin into the door removal pin hole on each side of the door. Do not remove hinge pins while the door is removed from the range.



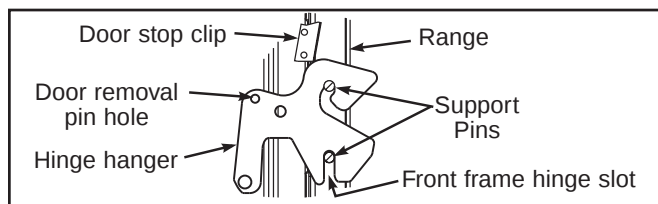
2. Carefully close the door as far as the hinge pins will allow.
3. Grasp the door on the sides with your fingers on the front of the door and your thumbs on the inside surface.
4. Pull door straight up until it stops, then rotate the door toward the floor, and pull it toward you. Hinge hangers will slide out of the front frame hinge slots.



IMPORTANT: Do not use the door handle to lift the door.

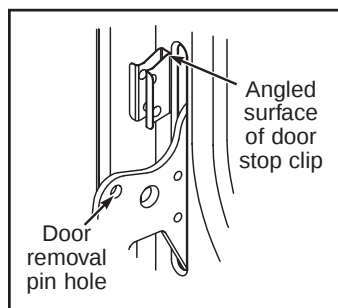
To reinstall oven door:

1. Grasp the door on the sides with your fingers on the front of the door and your thumbs on the inside surface.
2. Hold oven door so that the top edge of each hinge hanger is horizontal. Insert hinge hangers into the front frame hinge slots.



3. Rotate top of door toward range. Slide hinge hangers down onto front frame support pins.
NOTE: Make sure the hinge hangers are fully seated and engaged on the support pins.

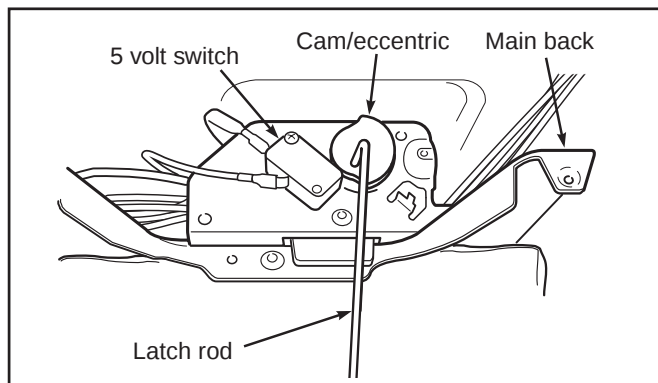
4. Insert the door stop clip with the angled surface at the top of the frame hinge slot. Push the clip in until flanges are flush with the front frame.



5. Open the door completely and remove the hinge pins, then close the door.

DOOR LATCH MECHANISM

The door latch mechanism is operated by a geared motor connected to a cam, located at the rear of the range.

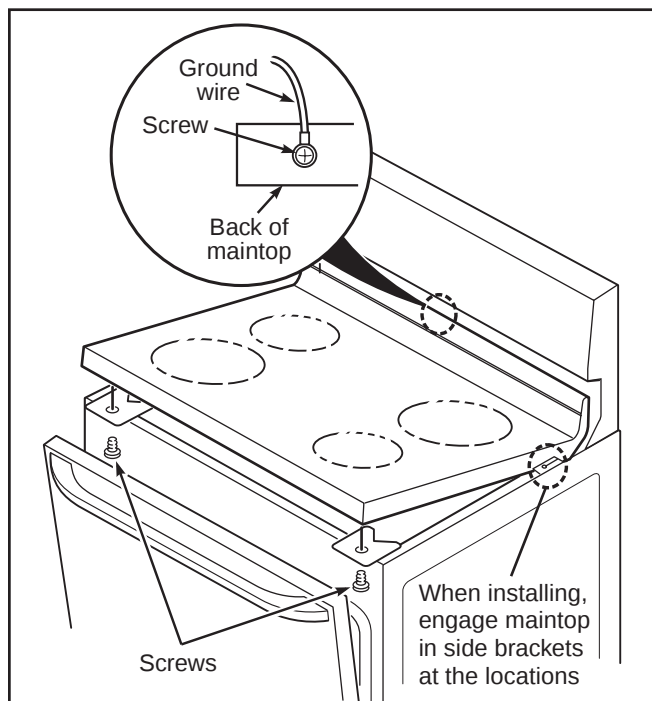


When the oven control is programmed and started for the Clean mode, the EOC operates the motor. The cam in turn moves the door latch, via a rod, to the locked position at which time the cam on the eccentric activates the switch that causes the motor to stop. The latch remains in the locked position until the oven temperature

drops to approximately 500° F at the end of the Clean cycle. The EOC then once again operates the motor and the latch is unlocked. The cam releases the switch plunger and the motor stops.

CERAN GLASS MAINTOP REMOVAL

1. Disconnect range from electrical supply.
2. Open oven door and remove the screws from under the front of the maintop, then close the door.



3. Slide maintop forward as far as possible and remove the ground wire from the rear of the maintop.
4. Lay a protective covering between the maintop and the range to protect the finish, then turn maintop over and lay it on the covering to access the components.

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.

PART NO. 8272851 REV. F

NOTE: This sheet contains important
Technical Service Data

FOR SERVICE TECHNICIAN ONLY
DO NOT REMOVE OR DESTROY