

AND OTHER PATENTS PENDING

The following individual circuits are for use in diagnosis, and are shown in the ON position. Do not continue with the diagnosis of the appliance if a fuse is blown, a circuit breaker is tripped, or if there is less than a 240 volt power supply at the wall outlet.



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STRIP CIRCUITS

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FAILURE/ERROR DISPLAY CODES

Before proceeding with any corrective action, perform the following steps to enter the Diagnostic mode.

- 2. Press the CANCEL and START keys in the following order: CANCEL, CANCEL, START.
- **3.** Verify the error code displayed on the control by observing for longer than 1 minute. If the error returns, use the applicable procedure listed below for the actual error code that is displayed.
- 1. To recall last failure code, if not displayed, press the CANCEL key to place the range in an idle state.

FAILURE (Leftmost	ERROR (Rightmost	MESSAGE/DESCRIPTION	FAILURE (Leftmost	ERROR (Rightmost	MESSAGE/DESCRIPTION			
2 Clock Digits)	2 Clock Digits)	SUGGESTED CORRECTIVE ACTION PROCEDURE	2 Clock Digits)	2 Clock Digits)	SUGGESTED CORRECTIVE ACTION PROCEDURE			
FO	EO	No failure	F2	EO	STUCK KEY (shorted key)			
Default			Keypad	E1	KEYPAD DISCONNECT or KEYPAD DISCONNECTED			
F1 Internal	E0 E1 E2 E3 E4 E9	INTERNAL ERROR INTERNAL ERROR INTERNAL ERROR INTERNAL ERROR INTERNAL ERROR INTERNAL ERROR	PROCEDU Diagnostic A. Unplug B. Check C. Replac	 PROCEDURE: Before proceeding, perform steps 1 through 3 above chart to enter the Diagnostic mode. A. Unplug range or disconnect power. B. Check that the keypad is firmly connected. C. Replace all parts and panels before operating. 				
PROCEDURE: Before proceeding, perform steps 1 through 3 above chart to enter the Diagnostic mode.			D. Plug in E. Observ	D. Plug in range or reconnect power.E. Observe for longer than 1 minute.				
A. Unplug	range or disc	onnect power.	F. If error	F. If error remains then go to step G.				
B. Replace the display board.			G. Unplug	G. Unplug range or disconnect power.				
C. Replace all parts and panels before operating.			H. Replac	H. Replace keypad.				
D. Plug in	range or reco	onnect power.	I. Replac	Replace all parts and partels before operating. Plug in range or recomposit newor				
E. Verify operation is normal. Go to step 1 and complete checks.			J. Flug II	J. Plug in range or reconnect power.				
	E5		L If error remains then go to step M					
F1	E0 E7	INTERNAL ERROR	M. Unpluc	range or dis	connect power			
memai	E8	INTERNAL ERROR	N. Replac	N. Replace display board				
PROCEDU	PROCEDURE: Refere presenting perform stops 1 through 2 above abort to enter the			0. Replace all parts and panels before operating.				
Diagnostic	Diagnostic mode.			P. Plug in range or reconnect power.				
A. Unplug range or disconnect power			Q. Verify	Q. Verify operation is normal. Go to step 1 and complete checks.				
B. Replace the power board.								
C. Replace all parts and panels before operating.								
D. Plug in range or reconnect power.								
E. Verify operation is normal. Go to step 1 and complete checks.								

FAILURE (Leftmost	ERROR (Rightmost	MESSAGE/DESCRIPTION	FAILURE (Leftmost	ERROR (Rightmost	MESSAGE/DESCRIPTION			
2 Clock Digits)	2 Clock Digits)	SUGGESTED CORRECTIVE ACTION PROCEDURE	2 Clock Digits)	2 Clock Digits)	SUGGESTED CORRECTIVE ACTION PROCEDURE			
	EO	MAIN SENSOR OPEN (top oven sensor opened)		E2	OVER TEMP COOK			
	E1	MAIN SENSOR SHORT or MAIN SENSOR SHORTED	F4	E3	OVER TEMP CLEAN			
		(top oven sensor shorted)		E7	OVER TEMP CAVITY 2 (temperature runaway error)			
F3	E2	BOTTOM SENSOR OPEN (bottom oven sensor open)	PROCEDU	RE: Before	broceeding, perform steps 1 through 3 above chart on page 4 to			
Sensors	E4	LOWER SENSOR SHORT OF BOTTOM SENSOR SHORT	enter the l	Diagnostic mo	ode.			
	E5	(bottom oven sensor shorted)	A. Press t	ne BAKE key i	to cycle the bake relay on and off.			
	EG	WD SENSOR OPEN (warming drawer sensor open)	II the	element or d	as valve does not cycle with the relay go to step D			
	E0 E7	WD SENSOR SHORTED (warming drawer sensor shorted)	If the	element or g	as valve did cycle on and off, go to step B.			
DDOCEDU			B. Press	he BROIL key	to cycle the broil relay on and off.			
enter the [Diagnostic m	proceeding, perform steps 1 through 3 above chart on page 4 to ode.	If the broil relay does not turn on and off, go to step F.					
A. Unplug	range or disc	connect power.	If the element or gas valve does not cycle with the relay, go to step D.					
B. Open t	he back pane	Is and make sure the indicated temperature sensor is	If the element or gas valve did cycle on and off, go to step C.					
plugge	d in.		If the convect bake relay does not turn on and off, go to step F					
IT IT IS	s not, plug it il s plugged in v	n to the connector and go to step I.	If the element does not cycle with the relay, go to step D.					
C. Check	connector P3	on the power board. Make sure it is plugged in and	If the element did cycle on and off, go to step D.					
fully se	eated.		D. Unplug	range or disc	onnect power.			
If it is	s not, make th	e proper connection and go to step I.	and the	e electric elem	ents. Ensure no shorted wires to cabinet.			
	s already prop	very connected, go to step D.	Ensure all wiring and connections between the power board and elements, and the					
temper	ature sensor.	Make sure the wires are not cut or pinched. If the wires	power board and the display board are good.					
appear	to be intact,	unplug the P3 connector on the power board. Go to step E.	If the wiring connections are not intact, go to step J.					
E. Measu	re indicated te riate P3 conn	emperature sensor resistance value (measure between ector pins). For the following sensors, the resistance value	F. Unplug range or disconnect power.					
should	read:	····· ································	G. Replace the power board. Go to step K.					
Main C	oven Sensor	Between 931 and 2869 Ω .	H. Unplug	range or disc	onnect power.			
Lower	Oven Sensor	Between 931 and 2869 Ω .	I. Replac	e the display.	Go to step K.			
		(Approx. 1080 Ω at room temp.)	J. Replac	e the harness	. Go to step K.			
Warm	Drawer Senso	br Between 1,500 and 319,000 Ω .	L. Plug in	range or reco	nnect power.			
Meat P	robe Sensor	Between 1,300 and 103,000 Ω .	M. Verify	operation is no	rmal. Go to step 1 and complete checks.			
		(Approx. 59,000 Ω at room temp.)						
		inside the oven cavity prior to reading resistance.)						
Measu	re any P3 con	nector pin to chassis. Resistance value should read "open".						
If it doe	es not, replace	e sensor harness. Hepeat step E.						
step	F.	iperature sensor does not meet these requirements, go to						
If the	e temperature	sensor does meet the requirements, go to step I.						
F. For MA	F. For MAIN, LOWER and WARM DRAWER sensors:							
If the	e requirements	are not met, replace sensor harness. Repeat step E.						
If the	e requirements	are still not met, go to step G.						
For ME	EAT PROBE s	ensor:						
If the	e meat probe	are not met, replace sensor harness. Repeat step E.						
If the	e requirements	s are still not met, replace the meat probe jack. Repeat step E.						
If the	e meat probe s	sensor is still not meeting the requirements, go to step G.						
G. Replac	e the power b	oard. Ensure all connectors are properly seated.						
H. Ensure	e all wiring cor	Inections are made.						
J. Plug in	e all parts and	panets before operating.						
K. Observ	/e for longer ti	nan 1 minute.						
L. Initiate a bake cycle. Let the cycle run at least 1 minute.								
If no error returns, cancel the cycle. The problem has been repaired.								
If the	e error occurs	again, restart the troubleshooting procedure at step A.						

TECH SHEET - DO NOT DISCARD

FAILU	JRE	ERROR		FAILURE	ERBOR			
(Leftm	nost	(Rightmost	MESSAGE/DESCRIPTION	(Leftmost	(Rightmos	t MESSAGE/DESCRIPTION		
2 Clo Digit	ts)	2 Clock Digits)	SUGGESTED CORRECTIVE ACTION PROCEDURE	Z Clock Digits)	Digits)	SUGGESTED CORRECTIVE ACTION PROCEDURE		
		EO	DOOR LATCH MSMATCH or DOOR LATCH MISMATCH	F6	E4	LOST COMMUNICATION		
			(Door and latch switches do not agree.)	Systems				
F5	5	E1	NO OPERATING LATCH OF LATCH NOT OPERATING	PRUCEDU	HE: Betore	proceeding, perform steps 1 through 3 above chart on page 4 to		
Inpu	its	E2		A Unplug range or disconnect newor				
		E4		B Onen t	he hack nane	us and make sure the P2 connector is fully plugged in on the		
		E7	UNLOCK DOOR ERROR or CAN NOT UNLOCK DOOR	power	board and on	the display board.		
PROCEDURE: Before proceeding, perform steps 1 through 3 above chart on page 4 to			If it is not, plug it in to the connector and go to step F.					
	the D	agnostic mo		II II IS plugged In, go to step C. C Visually inspect all the four wires between P2 on the power board and P2 on the				
	ERIF î bilo in	DOOR SWII	UT:	display board. Make sure the wires are not cut or pinched. If the wires appear				
A. Wi	git froi	n the left. Clo	use the oven door. The clock digit should toggle to "0".	to be intact, perform a continuity check between pin 4 of the power board and pin 4				
	If the	digit did not to	oggle, go to step B.	of the display board. Do the same for pins 1, 2, & 5. Both of these checks should result in a reading of less than 5 Q				
	If the	digit did not to	oggle after replacing the door switch, go to step D.	If eit	ner of these of	hecks fail, go to step E.		
1	If the	digit did not te	oggle after replacing the door switch harness, go to step F.	If the	se checks pa	iss, reconnect P2, then go to step D.		
	If the	digit did toggl	e, door switch is operating correctly.	D. Replac	e the power t	board. Ensure all connectors are properly seated and then go		
B. Un	nplug	range or disc	onnect power.	to step	F	· · · · · · · · · · · · · · · · · · ·		
C. Re	eplace	door switch.	(If door switch is integral to the door latch motor assembly,	E. Replac	e the wiring h	narness (signal) and go to step F.		
	piace	the entire doo	priatch motor assembly). Go to step H.	F. Ensure	all wiring cor	nnections are made.		
E Ch	ipiuy zock ii	ange of usu	barross wires and connections between the newer beard and	G. Replac	e all parts an	d panels before operating.		
the	e dooi	r switch. Ensu	ire no shorted wires to cabinet.	H. Plug in	range or rec	onnect power.		
	If the	wiring is bad,	replace the door switch harness. Go to step H.	I. Observ	e for longer t	han 1 minute.		
	If the	wiring is good	l, go to step H.	J. If error	J. If error does not appear, initiate a bake cycle. Let the cycle run at least 1 minute.			
F. Un	nplug	range or disc	onnect power.	If no error occurs, cancel the cycle. The problem has been repaired.				
G. Re	eplace	power board	. Go to step H.	in st	enor occurs	the display board if power board has already been replaced).		
H. Re	eplace	all parts and	panels before operating.	F6	E5	CANCEL KEY ERBOR		
I. Plu	ug in	range or reco	nnect power.	Systems				
J. En Re	nter th epeat	e Diagnostic step A.	mode described in steps 1 through 3 above chart on page 4.	PROCEDURE: Before proceeding, perform steps 1 through 3 above chart on page 4 to enter Diagnostic mode.				
				A. Unplug range or disconnect power.				
		Diagnostic m	ada, pross the CLEAN key to cycle the latch motor to the locked	B. Replace the display board.				
po	sition	. "1" should a	ppear in the first clock digit from the left when locked. Press the	C. Replace all parts and panels before operating.				
CL	EAN	key to cycle t	he latch motor to the unlocked position. The clock digit should	D. Plug in range or reconnect power.				
tog	ggle to	o"0".		E. Verify	operation is n	ormal. Go to step 1 and complete checks.		
	If the	aigit ala not ti	oggle, go to step B.					
open the door. Press the CANCEL key, go to step B.								
	If mot	or did not run	, go to step H.					
	If the	digit did not to	oggle after replacing the door latch motor assembly, go to step D.					
	It the digit did not toggie after replacing the door latch switch harness, go to step F.							
	II the digit did toggle, door laten switch is operating correctly.							
C Ro	piug	door latch m	otor assembly. Go to step K					
D. Un	nplua	range or disc	onnect power.					
E. Ch	Check integrity of all harness wires and connections between the power board and the door latch ewithe Ensure a charted wires to cabinot							
	If the	wiring is bad,	replace the door latch switch harness. Go to step K.					
	If the	wiring is good	I, go to step K.					
F. Un	nplug	range or disc	onnect power.					
G. Re	eplace	power board	. Go to step K.					
H. Un	nplug	range or disc	onnect power.					
I. Ch late me	heck i tch pa echan	ntegrity of lato wl and door s ical malfunction	th mechanism from cam / eccentric through actuating rod, to lot. Ensure that pawl aligns with the door slot. Correct any on.					
J. Ch bo	neck o bard P	ontinuity of th 4 and motor.	le latch motor and of electrical connections between power If continuity is present, replace power board. Go to step K.					
K. Re	eplace	all parts and	panels before operating.					
L. Plu	ug in	range or reco	nnect power.					
M. En Re	nter th epeat	e Diagnostic step A.	mode described in steps 1 through 3 above chart on page 4.					

PART NO. 9762982 REV. A

NOTE: This sheet contains important Technical Service Data.

FOR SERVICE TECHNICIAN ONLY DO NOT REMOVE OR DESTROY