ADMIRAL

Range/Stove/Oven Fault Codes

AMANA

Range/Stove/Oven Fault Codes

Dual Convection Wall Oven

"Big Oven" 5.1 cubic ft. (Sigma Touchmatic ERC)

ASKO

Dishwasher

Dryer

Washing Machine

CALORIC

Range/Stove/Oven Fault Codes

RST376 Gas Range Fault Codes

CROSLEY

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Range/Stove 24" Built-In Self-Clean Wall Oven

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Range/Stove/Oven Manufacturers

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WESTINGHOUSE

Range/Stove/Oven Fault Codes

WHIRLPOOL

Whirlpool Polara

Range/Stove/Oven Fault Codes Non Y-Line

Range/Stove/Oven Fault Codes, Common

Range/Stove Oven 30" Free-standing, Models SF3...& 24" Built-In

Whirlpool Duet & Duet HT

ADMIRAL
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F1	Defective touch pad or membrane	Replace touch pad or clock assembly (also called the ERC) (usually the touch pad)
F1	Watchdog on board	Replace touch pad or clock assembly (also called the ERC)
F2	Oven too hot	Replace relay board (if present) or oven temperature sensor
F3 or F4	Open or shorted oven temperature sensor	Replace oven temperature sensor
F5	Hardware and watchdog circuits disagree	Replace clock assembly (also called the ERC)
F6	Missing AC signal	Check for proper voltage
F7	Function key shorted or stuck button	Replace touch pad or clock assembly (also called the ERC) or un-stick button
F8	Analog/Digital trouble	Replace clock assembly (also called the ERC)
F9	Door latch trouble	Check door lock circuit or replace clock assembly (also called the ERC)
F0	Function key stuck	Replace touch pad or clock assembly (also called the ERC)

AMANA
Range/Stove/Oven Fault Codes

Failure Code - glass link Electronic Range Control (ERC)	Condition	Check/Repair
Door flashing #0, 1, 2, 3	Latch switch broken	Replace
Lock flashing	Latch switch broken	Replace
F0	Loss of safety signal	Replace adapter board
F1	Watchdog circuit	Replace Electronic Range Control (ERC)
F2	Oven too hot	Replace oven temperature sensor
F3 F4	Open or shorted oven temperature sensor	Replace oven temperature sensor
F7	Shorted touch panel	Replace glass panel
F9	Motorized door	Check latch
FF	Lock error	Check switch and motor
Electronic Range Control (ERC) III / Relay board with separate board / push buttons		

F0	Shorted push pad	Replace
F1	Failed Electronic Range Control (ERC)	Replace
F2	Oven too hot	Replace oven temperature sensor
F3 F4	Shorted or open oven temperature sensor	Replace oven temperature sensor
F5, F6, F8	Failed Electronic Range Control (ERC)	Replace ERC
F7	Shorted or sticking button	Check glass alignment, replace touch panel if necessary
F9	Door latch failure	Replace door latch switch or assembly if necessary

AMANA
Dual Convection Wall Oven

Failure Code	Condition	Check/Repair
F0	Shorted touch pad	Replace touch pad
F1	Electronic range control failure	Replace electronic range control (ERC)
F2	Oven temperature 100 degrees over limit	Replace oven temperature sensor
F3	Shorted oven temperature sensor	Replace oven temperature sensor
F4	Open oven temperature sensor	Replace oven temperature sensor
F6	Electronic range control component failure	Replace electronic range control (ERC)
F7	Failure detected in self-clean lock circuitry	Check door latch mechanism

AMANA
"Big Oven" 5.1 cubic ft. (Sigma Touchmatic ERC)

Failure Code	Condition	Check/Repair
F0-0	No Error	Initial factory setting
F1-1	Over temperature while cooking	Check oven temperature sensor and wiring first, replace control board if oven temperature sensor is good
F1-3	Over temperature while cleaning	Check oven temperature sensor and wiring first, replace control board if oven temperature sensor is good
F1-5	Cancel key input out of range	Replace control board
F1-7	Keyboard disconnected	Verify wire connection is tight.Replace control if failed
F1-8	Shorted key	Replace control board
F1-9	Slave micro not functioning	Replace control board
F1-A	Circuit board grounding	Replace control board
F1-C	Control not calibrated	Replace control board

F1-E	Circuit board data corruption	Replace control board
F1-F	Circuit board data corruption	Replace control board
F1-H	Door switch input circuit failure	Check switch and wiring
F1-J	Latch switch input circuit failure	Check switch and wiring
F3-1	Oven temperature sensor or oven temperature sensor circuit failure	Check wire connections and oven temperature sensor
F9-1	Auto latch will not lock	Check wiring, motor, and latch switch
F9-2	Auto latch will not unlock	Check wiring, motor, and latch switch

Asko
Dishwasher

Failure Code	Condition	Check/Repair
F1	Water heating fault, selected temperature not reached within 60 minutes	• Incoming water temperature too cool • Heating element burned out • Thermostat defective
F2	High water level	• Plugged/Bad water pump • Defective water inlet valve
F3	Thermistor fault	• Open thermistor • Bad wiring to thermistor
F4	Fault with water fill (only on machines with level-controlled fill) **Note:** Lights blinking, pump running and controls dead indicates an over fill fault	**1.** Disconnect the power to the unit **2.** Remove the lower access panels and check the tray under the dishwasher (you will probably find it is full of water) **3.** Use a towel or a sponge to remove the water **4.** There is a float that should stop the operation of the dishwasher and run the pump if water is in this tray. Check this pump to see if it is functional **5.** Test the dishwasher **6.** If there are no leaks from the dishwasher into the pan, check the drain hose under the sink **7.** THE DRAIN HOSE MUST RUN UP TO THE TOP OF THE UNDERSIDE OF THE COUNTERTOP THEN DOWN TO THE DRAIN. (If the hose is not set up like this, water from the sink drain will flow into the dishwasher and overfill the tray *Faults may vary by model. Use this as a general guide.

Asko
Dryer

Failure Code	Condition	Check/Repair
F1	Condensate drain overfilling	Check condensate reservoir pump and drain tube.
F2	Maximum drying time exceeded (3hrs)	• Check for tripped circuit breaker or blown fuse • Check ductwork for lint build-up • Check hi-limit and cycling thermostat • Check heating element
F3	Thermistor fault	• Open thermistor, replace • Bad wiring to thermistor
F4	Too much lint in the lint filter, front housing, or in the condenser	Clean lint from lint filter and/or condenser
F5	Fault in the moisture sensor	• Lint covering sensor in front of housing • Bad sensor • Bad wiring to sensor

Asko
Washing Machine

Failure Code	Condition	Check/Repair
F1	Water supply/low water fill	• Check water supply to machine • Replace water inlet valve
F2	Water level too high	• Plugged/Bad water pump • Faulty water valve
F3	Pump problem	Check pump trap and clean.
F4	Thermistor problem	• Open thermistor, replace • Bad wiring to thermistor
F5	Fault in thermal cutout or heating pause fault. Selected temperature not reached in 90 minutes	• Check heating element • Check thermostat
F6	Motor fault	• Check wiring to motor • Replace motor if necessary
F7	Door lock release fault	• Bent pull-rod for door latch • Bad door latch solenoid
00 00	Machine did not spin	Check load for out of balance Redistribute load and restart

CALORIC
Range/Stove/Oven Fault Codes

Failure Code - glass link	Condition	Check/Repair

Electronic Range Control (ERC)		
Door flashing #0, 1, 2, 3	Latch switch broken	Replace switch
"Lock" flashing	Latch switch broken	Replace switch
F0	Loss of safety signal	Replace adapter board
F1	Watchdog circuit	Replace Electronic Range Control (ERC)
F2	Oven too hot	Check oven temperature sensor
F3 F4	Open or shorted oven temperature sensor	Replace oven temperature sensor
F7	Shorted touch panel	Replace touch panel
F9	Motorized door problem	Check door latch
FF	Door lock error	Check door switch and latch motor
Electronic Range Control (ERC) III / Relay board with separate board / push buttons		
F0	Shorted touch pad	Replace touch pad
F1	Failed Electronic Range Control (ERC)	Replace ERC
F2	Oven too hot	Check oven temperature sensor, replace if necessary
F3 F4	Shorted or open oven temperature sensor	Replace oven temperature sensor
F5, F6, F8	Failed Electronic Range Control (ERC)	Replace ERC
F7	Shorted or sticking button	Check glass touch panel alignment, replace if necessary
F9	Door latch failure	Replace door latch if necessary

CALORIC
RST376 Gas Range Fault Codes

Failure Code	Condition	Check/Repair
F1	Clock bad	Replace clock assembly (also called the ERC)
F2	Oven temperature sensor defective	Replace oven temperature sensor
F3	Open oven temperature sensor	Replace oven temperature sensor
F4	Oven temperature sensor low rating	Replace oven temperature sensor
F5	Clock failure	Replace clock assembly (also called the ERC)
F6	Power surge (clock)	Try turning off power to appliance for one minute. If problem persists, replace clock assembly (also called the ERC)
F7	Touch panel button stuck	Replace touch panel (membrane)
F8	Failure of diagnostic read-out	Replace clock assembly (also called the ERC)

DACOR
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0	Clock pushbutton is stuck in a depressed position	Check clock buttons
F1	Element relay circuit failure	Control board may be bad
F2	Oven temperature exceeded the clean runaway temperature (self clean only) or the cooking runaway temperature (cooking modes only)	Call for service
F3	Short Circuit in the oven temperature sensor	Check oven temperature sensor for continuity, if no resistance (zero ohms), replace
F4	Short Circuit in the oven temperature sensor	Check oven temperature sensor for continuity, if no resistance (zero ohms), replace
F6	Failure in the EEPROM check comparison (only time of day and timer will operate)	Call for service, electronic clock control is usually the cause of the problem
F7	Failure of the self- clean automatic door latch system	Check door latch and switch(es)
F8	Failure of the door latch motor. Occurs when the motor runs for two minutes without the door locking in self-clean mode	Check door lock motor and door latch

FRIGIDAIRE
Range/Stove/Oven Fault Codes Version 1

Failure Code	Condition	Check/Repair
F2	Oven temp is above design specifications	Oven temp has risen above 665F and door unlocked or above 965F with door locked. Check oven temperature sensor.
F3	The oven temperature sensor is open	Check for open wire connection between EOC (Electronic Oven Control - Clock) and the oven temperature sensor. Replace sensor if no wiring problem.
F4	The oven temperature sensor is shorted	Check for shorted wire and/or connections between the EOC (Electronic Oven Control - Clock) and the oven temperature sensor. Replace sensor if no wiring problem.
F5	The watchdog is active when it should be off	Microprocessor checking the operation of the EDC relay, after selection of bake, broil, or clean operation. Relay failed this check.
F6	No 60 Hz time base	60 Hz time base is required for time controlled cycling. Replace EDC.
F7	Lock motor relay watchdog circuit is active when it should be off	Microprocessor checking the operation of the EDC lock, relay failed. Replace EDC.

Failure Code	Condition	Check/Repair
F8	Lock motor relay watchdog is active when it should be off	Microprocessor checking the operation of the EDC lock relay after self clean is selected, relay failed. Replace EDC.

FRIGIDAIRE
Range/Stove/Oven Fault Codes Version 2

Failure Code	Condition	Check/Repair
F0 & F1	EOC (Electronic Oven Control) failure	Replace
F2	Oven too hot	Check Bake function
F3	Oven temperature sensor open	Check oven temperature sensor, 1100 ohms
F4	Oven temperature sensor shorted	Replace component
F5, 6, 7	EOC (Electronic Oven Control) failure	Replace component
F8	Lock switches	Check or Replace component

FRIGIDAIRE
Range/Stove/Oven Fault Codes Version 3

Failure Code	Condition	Check/Repair
F0 & F1	EOC (Electronic Oven Control) failure	Replace EOC (Electronic Oven Control)
F2	Oven too hot	Likely a bad oven temperature sensor (should read 1100 ohms) Possible bad EOC (Electronic Oven Control)
F3	Oven temperature sensor open	Replace oven temperature sensor
F4	Oven temperature sensor shorted	Replace oven temperature sensor
F5 or F6 or F7	EOC (Electronic Oven Control) failure	Replace EOC(Electronic Oven Control)

FRIGIDAIRE
Range/Stove/Oven Fault Codes Version 4

Failure Code	Condition	Check/Repair
F1	Circuit board defective	Replace control board
F2	**1.** The oven temp has risen above 665F and the door is not locked or **2.** The temp has risen above 965F with the door locked	**1.** Check oven temp in mode that failure occurred. Replace EOC (Electronic Oven Control) if above limits **2.** Check 8-pin connector. Check and replace oven temperature sensor if necessary
F3	Oven temperature sensor is open (above 3000 ohms)	Check resistance of oven temperature sensor, check for open wiring between oven temperature sensor and control
F4	Oven temperature sensor is	Check resistance of oven temperature

	shorted (below 500 ohms)	sensor, check for shorted wiring between oven temperature sensor and control
F5	Internal watchdog circuit has detected a failure	Defective EOC (Electronic Oven Control)
F6	Shorted buttons	Check push buttons and dome switches on control
F8	Logic interrupted (lock motor switch sequence)	Check door lock switches and wiring

GE
Gas or Built In Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 or F1	Failed transistor in control	If code cannot be cancelled, replace the Electronic Range Control (ERC) or touch pad
F2	Oven over temp - exceeded 590F with door in unlocked position or 990F with door locked	If actual temp condition occurred, look for welded relay contacts or high resistance connection or any cause in the oven temperature sensor circuit
F3	Open oven temperature sensor circuit	Measure oven temperature sensor circuit at oven temperature sensor (should be approx 1100 ohms at room temp); check for cut or pinched wire or loss of contact
F4	Shorted oven temperature sensor circuit	Same as above; check for melted connector or both leads shorted to ground
F8	Component failure within Electronic Range Control (ERC) effecting temp processing circuits	Replace Electronic Range Control (ERC)
F9	Problem with door lock circuit such as pinched wire between Electronic Range Control (ERC) and door lock switch	Check wiring and test operation of switch

GE
XL44 Self Clean Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 - F1 - F7	Stuck keypad may mean relay is turned on.	Determine if problem is with the Key Panel or Control by: **1.** Pushing CLEAR/OFF pad. **2.** Disconnecting Ribbon Cable from control and waiting at least 32 seconds to see if Code recurs If code recurs, problem is in the control. Replace control. If code does not recur, problem is with the Key Panel.
F2 Note: Also see fan thermal	Indicates that oven is over temperature in one of the following modes within either a cooking or clean mode of operation.	▪ Look for welded relay contacts. (Heating elements on in off mode). ▪ Look for open thermal switch in lock motor circuit. Switch is normally closed

switches	• Control senses oven temperature above 650 degrees F with the door circuit in the unlock mode. • Control senses oven temperature above 935 degrees F with the door in the locked mode. • Stalled cooling fan or airflow problem.	and will open if area overheats due to fan not operating. Look for cause - fan thermal switch not closing, fan stalled, etc. • Look for high resistance in the oven temperature sensor circuit due to high contact resistance (poor terminal crimp, deformed terminals, loose connection) or intermittent solder joint on control or intermittent oven temperature sensor. • Look for electrical noise interference in the oven temperature sensor circuit (Ham radio, cordless phone, etc.).
F3 - F4	Open oven temperature sensor (circuit) (over 2700 ohms) or, shorted oven temperature sensor. Could be a result of: • contamination on terminals • pinched wire in oven temperature sensor circuit • cold solder joint on control.	• Disconnect power to range and remove oven temperature sensor connector from control. • Measure oven temperature sensor resistance at oven temperature sensor connector (take care not to damage terminals in block) - Should read 1100 ohms at room temperature (approx 72 degrees F). • Measure each oven temperature sensor lead from connector block to ground. If shorted, look for pinched or cut wire in oven temperature sensor circuit. • Check connector terminals - Look for deformed or corrosion on terminals. Repair or replace. If all above is ok replace control.
F5	Relay safety circuit failure	• Check oven temperature sensor circuit for intermittent high resistance. • Check lock circuit • Press Clear/Off and reprogram control. If code reappears, replace control Note: If all above check OK the F5 code can be a result of a momentary loss of power (Do NOT replace control or lock, check lock circuit)
FC	Problem with door lock circuit such as pinched wires between control and door lock switches on motorized lock circuits.	Check wiring and test operation of switches.
FD	Shorted meat probe Note: Problem can be with the probe or receptacle or meat probe circuit.	• Check probe. Resistance should be 30k ohms to 50k ohms at room temperature. • Look for pinched wire. • Look for condensation or contamination of receptacle or nearby installation.
FF	Loss of door motor safety circuit	Replace control

GE
"New '99" Range/Stove/Oven Fault Codes

Failure	Condition	Check/Repair

Code		
FFF	Control Error, Failed EEPROM	Replace Control
F0 or F7	Shorted Clear/Off Key due to membrane switch, control or connector	Shorted key panel membrane switch; Check Electronic Range Control (ERC)
F2 During Bake	Control senses oven temp above 590 degrees F	High resistance connection in oven temperature sensor circuit. Check Electronic Range Control (ERC) - Welded bake relay contacts
F2 During Clean	Control senses oven temp above 915 degrees F	High resistance connection in oven temperature sensor circuit. Check Electronic Range Control (ERC) - Welded clean relay contacts. Both lock switch 1 & 2 closed at the same time
F3	Open oven temperature sensor, oven temperature sensor resistance exceeds 2900 ohms during bake, broil or clean	Oven temperature sensor/Oven temperature sensor circuit connections
F4	Shorted oven temperature sensor, oven temperature sensor resistance less than 2900 ohms during bake, broil or clean	Oven temperature sensor/oven temperature sensor circuit connections
FFF	Door motor safety circuit	Electronic Range Control (ERC)

GE
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 and F1	Failed Thermistor Control	Replace Electronic Range Control (ERC)
F2	Oven temp exceeds 590 w/ unlocked door	High resistance or interference in oven temperature sensor. Replace oven temperature sensor
F3	Open oven temperature sensor circuit	Replace oven temperature sensor
F4	Shorted wire (Oven temperature sensor)	Locate and correct
F7	A = Function pad button stuck or B = Bad clock	Unstick button or Replace Electronic Range Control (ERC)
F8	Component Failure	Replace Electronic Range Control (ERC)
F9	Program w/ door circuit	Check wiring

GE
WSL Model Washing Machine

Failure Code	Condition	Check/Repair
IE - Water level sensor error	Water sensor fails to send signal for longer than 5 seconds.	Press POWER button. No other buttons work: • Check wiring harness • Check pressure sensor switch

		• Check circuit board
7E - Water supply error	No frequency change for 60 minutes from water supply.	Press POWER button. No other buttons work: • Check wiring harness • Check water valve· Check pressure sensor switch • Check circuit board
E - Drain pump error	Water level does not decrease to reset point within 15 minutes from draining water from the washer.	Press POWER button. No other buttons work: • Check wiring harness • Check pump motor • Check circuit board
dE - Lid open error	Lid is open during wash cycle.	Close lid. • Check wiring harness • Check lid switch • Check unbalance switch • Check circuit board
UE - Unbalance switch error	Unbalanced load is sensed three times during a spin operation.	Open lid. Rebalance laundry load and close lid. • Check wiring harness • Check unbalance switch • Check circuit board
OE - Water overflow error	Water supply does not stop after sensing an overflow condition.	Turn off household water supply to washer and unplug power cord. • Check wiring harness • Check water inlet valve • Check pressure sensor switch • Check circuit board

GE
Microwave Fault Codes

Failure Code	Condition	Check/Repair
F1	Open sensor, will occur below 190F of cavity temperature within 15 minutes after starting convection, combination or roast cook	Check oven temperature sensor for continuity. Replace if zero or infinite ohms
F2	Shorted thermal sensor, will occur if a shorted thermal sensor is detected continuously over 5 seconds on convection, combination or roast cooking	Check oven temperature sensor for continuity. Replace if zero or infinite ohms Note: It will take a minimum of 5 minutes of convection run time before F1 or F2 code will be displayed if the thermal sensor is shorted or open.
F3	Shorted key panel (touch pad), will occur if a shorted key panel is detected continuously over 60 seconds	Replace key panel (touch pad)
F4	Open humidity sensor, will occur if humidity sensor is detected as being open continuously over 5 seconds	Replace humidity sensor

F5	Shorted humidity sensor, will occur if humidity sensor is detected as being shorted continuously over 5 seconds	Replace humidity sensor
F6	Shorted temperature probe, will occur if temperature probe is detected as shorted continuously over 5 seconds	Replace temperature probe
ProbEe	Open temperature probe, will occur if temperature probe is detected open, or not plugged into the receptacle	If probe is plugged in and "ProbE" is on display check continuity of the probe with an ohm meter. If zero or infinite ohms, replace it

GE
Dishwasher Fault Codes - From Late 1990's forward

Failure Code	Condition	Check/Repair
PF	Power Failure	Push cancel to clear. If code persists check electrical connections to dishwasher and electronic control
C1	Partially restricted drain, pump-out not accomplished in the normal time of less than 95 seconds	Check drain line, if clear, check for a restricted drain valve in pump
C2	Drain line totally blocked, pump-out not accomplished in the maximum time of 405 seconds	Check drain valve for restriction in pump, check drain line. Note: If a new garbage disposer was installed, remove knock out plug for dishwasher drain
C3	Will not go into drain	Call for service
C4	Water over-fill fault	Check for high water pressure to unit, usually an indication of a bad water inlet valve
C5	Low water fill	Check for low water pressure to unit, usually an indication of a bad water inlet valve
C6	Water temperature too low after 20 minute extension	Check heating element and thermostat, both should have continuity
C7	Temperature sensor bad	Replace sensor (located inside door, remove door panel to access)
C8	Detergent cup blocked	Keep objects clear of cup when loading

GIBSON
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 & F1	EOC (Electronic Oven Control) failure	Replace EOC (Electronic Oven Control)
F2	Oven too hot	Likely a bad oven temperature sensor Possible bad EOC (Electronic Oven Control)
F3	Oven temperature sensor open	Replace oven temperature sensor
F4	Oven temperature sensor shorted	Replace oven temperature sensor
F5 or F6 or F7	EOC (Electronic Oven Control) failure	Replace EOC (Electronic Oven Control)

HAMILTON
Range/Stove/Oven Fault Codes
Self-Clean Convection Freestanding

Failure Code	Condition	Check/Repair
F0	Stuck CLEAR/OFF touch pad switch	Unstick switch or replace keypad
F1	Stuck relay on circuit board	Replace board
F2	Control senses oven temp, over 615F with door unlocked, over 9615F with door locked (self clean)	Test oven temperature sensor for continuity, replace if necessary. If oven temperature sensor is OK, replace circuit board
F3	Oven temperature sensor circuit open	Replace oven temperature sensor
F4	Oven temperature sensor circuit shorted	Replace oven temperature sensor
F5	Loss of internal timer safety in the heating mode in bake/broil	Check circuit board, replace if necessary
F7	Shorted touch pad switch, any except up/down arrow and clear/off pads	Replace touch pad
FC	Door latch error	Check door latch
FD	Shorted meat probe, jack or wires	Check wiring harness and meat probe jack.
FF	Loss of door lock circuit protection	Check door lock circuit switch, wiring and circuit board.

HOTPOINT
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 and F1	Failed Thermistor Control	Replace Electronic Range Control (ERC)
F2	Oven temp exceeds 590 w/ unlocked door	High resistance or interference in oven temperature sensor, replace sensor
F3	Open oven temperature sensor circuit	Replace oven temperature sensor or, check for an open oven temperature sensor fuse, replace fuse.
F4	Shorted wire (oven temperature sensor)	Locate and correct
F7	A = Function pad button stuck or B = Bad clock	Unstick button or replace Electronic Range Control (ERC) clock assembly
F8	Component Failure	Replace Electronic Range Control (ERC)
F9	Program w/ door circuit	Check wiring

JENN AIR
Range/Stove/Oven Fault Codes

Failure	Condition	Check/Repair

Code		
F1	Defective touch pad or membrane	Replace touch pad or membrane (this problem is usually the touch pad)
F1	Watchdog on board	Replace touch pad or clock assembly (also called the ERC)
F2	Oven too hot	Replace relay board (if present) or oven temperature sensor
F3 or F4	Open or shorted oven temperature sensor	Replace oven temperature sensor
F5	Hardware and watchdog circuits disagree	Replace clock assembly (also called the ERC)
F6	Missing AC signal	Check for proper voltage
F7	Function key shorted or stuck button	Replace touch pad or clock assembly (also called the ERC) or attempt to un-stick button
F8	Analog/Digital supervisory	Replace clock assembly (also called the ERC)
F9	Door latch supervisory	Check door lock circuit or replace clock assembly (also called the ERC)
F0	Function key stuck	Replace touch pad or clock assembly (also called the ERC)

JENN-AIR
'Newer Style' Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F1	Power to element relay energized during time of day display	Wiring harness shorted or change power relay board (PRB) Note: for double ovens, change second oven board
F2	Oven temp sensed; over 600F sensed by control in time of day mode, bake mode, or over 900F sensed in clean mode.	Ohm test the oven temperature sensor, if OK, change power relay board.
F3	Cooling fan on with no oven function selected	Check oven temperature sensor or wire harness to oven temperature sensor
F4	Shorted oven temperature sensor	Check oven temperature sensor or wire harness to oven temperature sensor
F5	Power to element relays disabled in cook mode	**1.** Intermittent oven temperature sensor or wire harness or, **2.** Intermittent contact on power relay board
F7	Shorted key sensed for 32 seconds	**1.** Membrane shorted, or, **2.** Display board defective
F8	Shorted meat probe alarm	**1.** Probe jack or harness to probe jack, or, **2.** Probe sensing temp above 250F
F9	Door lock safety circuit on power relay board sensed	Replace power relay board
FF	Invalid temp reading on power relay board (PRB)	Check oven temperature sensor and wire harness, or replace power relay board
F	Communication error between boards	Wiring harness, check harness wires for continuity, or replace power relay board

| FC | Communication error between boards | Wiring harness or power relay board (PRB) |
| FR | Second oven error sensed | **1.** Check oven temperature sensor and harness, or,
2. Replace second board |

KITCHEN AID
Range/Stove/Oven Fault Codes
NOTE: Not valid for Y line. If there is a Y near the end of your model number, do not use this chart.

Failure Code	Condition	Check/Repair
4 Digit Failure Code		
F0 - E0	Analog to Digital Failure	Disconnect for 30 seconds - if display re-appears - replace control
F1 - E1	Safety flip flop	Replace Electronic Range Control/Clock(ERC)
F2 - E0	Shorted keypad	Replace Electronic Range Control/Clock(ERC)
F3 - E0	Oven temperature sensor or oven temperature sensor fuse opened	Replace oven temperature sensor or fuse
F3 - E1	Oven temperature sensor shorted	Replace oven temperature sensor
F3 - E2	Oven too hot	Replace oven temperature sensor
F3 - E3	Clean temp too hot	Replace oven temperature sensor
F5 - E0 F5 - E1 and E2	Check door/latch switch	Replace component
2 Digit Failure Code		
F0 or F1 or F5	Failed transistor	Replace Electronic Range Control/Clock(ERC)
F2 - E0	Oven temp too high	**1.** Test operation of door lock on self-clean models **2.** Test relay contact operation **3.** High resistance in oven temperature sensor
F3	Open oven temperature sensor or thermal fuse	Replace oven temperature sensor or thermal fuse
F4	Shorted oven temperature sensor	Replace oven temperature sensor
F6	Problem in time keeping circuit	**1.** Reset time and/or cooking operation **2.** Check for proper ground
F7	Stuck function switch or button on Electronic Range Control (ERC)	Replace Electronic Range Control/Clock(ERC)
F8	Failure of Electronic Range Control (ERC)	Replace Electronic Range Control/Clock(ERC)
F9	Door lock circuit	Check wiring and test operation of door lock switch

MAGIC CHEF
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F1	**1.** Watchdog on board **2.** Touch membrane defective	To determine which component is at fault, disconnect ribbon strip. If NO fault code, replace membrane, otherwise replace board
F2	Oven too hot	Check oven temperature sensor
F3 F4	Open or shorted oven temperature sensor	Replace
F5	Hardware and watchdog circuits disagree	Replace clock assembly (also called the ERC)
F6	Missing AC signal	Replace clock assembly (also called the ERC)
F7	Function key shorted	Replace touch pad
F8	Analog/Digital converter	Replace clock assembly (also called the ERC)
F9	Door latch	Check door lock circuit
F10	Function key stuck	Replace touch pad

MAYTAG
Gemini Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0:-0	None	
F1:-1	Runaway Cook Upper oven	Check oven temperature sensor, replace if necessary
F1:-2	Runaway Cook Lower oven	Check oven temperature sensor, replace if necessary
F1:-3	Runaway Clean Upper oven	Check oven temperature sensor, replace if necessary
F1:-4	Runaway Clean Lower oven	Check oven temperature sensor, replace if necessary
F1:-5	Keypad Cancel Upper	Check keypad, replace if necessary
F1:-6	Keypad Cancel Lower	Check keypad, replace if necessary
F1:-7	Keypad Disconnected	Check wiring between keypad and Electronic Range Control (ERC)
F1:-8	Keypad Shorted	Check to see if steam or other moisture is getting into clock assembly. Replace keypad if necessary
F1:-9	Slave	
F1:-A	Latch Switch, Upper	Check door latch switches, replace if necessary
F1:-B	Latch Switch, Lower	Check door latch switches, replace if necessary
F1:-C	Door Switch, Upper	Check door switch, replace if necessary
F1:-D	Door Switch, Lower	Check door switch, replace if necessary
F1:-E	EEPROM, Control	Replace Electronic Range Control (ERC)
F1:-F	Jumper, Control	
F1:-H	EEPROM, Read, Control	Replace Electronic Range Control (ERC)

F1:-L	Oven temperature sensor, Track, Control	Check oven temperature sensor, replace if necessary
F3:-2	Oven temperature sensor, Lower oven	Check oven temperature sensor, replace if necessary
F3:-1	Oven temperature sensor, Upper oven	Check oven temperature sensor, replace if necessary
F9:-1	Latch Lock Upper	Check for obstruction in door lock mechanism
F9:-2	Latch, Unlock Upper	Check for obstruction in door lock mechanism
F9:-3	Latch Both Upper	Check for obstruction in door lock mechanism
F9:-4	Latch, Lock Lower	Check for obstruction in door lock mechanism
F9:-5	Latch Unlock Lower	Check for obstruction in door lock mechanism
F9:-6	Latch, Both Lower	Check for obstruction in door lock mechanism

MAYTAG
Type "C" and "D" Clocks Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F1	Supervisory relay enable shorted (non-cook mode); sounds alarm and inhibits cook mode if alarm fault monitor is always active in non-cook mode, and requires removal of power until serviced.	Usually a bad touch pad or clock assembly (also called the ERC). Replace touchpad or ERC
F2	Bake/broil/clean temp runaway alarm; sounds alarm and resets control to non-cook mode when bake/broil/clean temp exceeds programmed limits.	Usually means a stuck relay. Electric @ 525F (bake), 640F(broil), 900F(clean) Gas @ 525F (bake), 640F(broil), 900F(clean)
F3	Open temp oven temperature sensor; sounds alarm and inhibits cook mode	Replace oven temperature sensor
F4	Shorted temp oven temperature sensor; sounds alarm and inhibits cook mode	Replace oven temperature sensor
F5	Supervisory relay enable open (cook mode); sounds alarm and resets the control to non-cook mode	Replace electronic range control (ERC)
F5	Missing a/c line cycle detector; displays code (no audible)	Unplug appliance for two minutes, should clear problem
F7	Function key shorted; too hot at the clock assembly (also called the ERC) or shorted touch pad or clock assembly (also called the ERC)	Replace touchpad or ERC
F8	Analog/Digital supervisory; sounds alarm to non-cook mode	Replace ERC
F9	Door latch supervisory (door latched)	Unlock door and check switches or clock assembly (also called the ERC)
F0	Cancel key supervision	Requires the removal of power until serviced. See qualified technician

MAYTAG
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F1	Defective touch pad or membrane	Replace touch pad or membrane (usually the touch pad)*
F1	Watchdog on board	Replace touch pad or clock assembly (also called the ERC)
F2	Oven too hot	Replace relay board (if present) or bad oven temperature sensor
F3 or F4	Open or shorted oven temperature sensor	Replace oven temperature sensor
F5	Hardware and watchdog circuits disagree	Replace clock assembly (also called the ERC)
F6	Missing AC signal	Check for proper voltage
F7	Function key shorted or stuck button	Replace touch pad or clock assembly (also called the ERC) or un-stick button
F8	Analog/Digital supervisory	Replace clock assembly (also called the ERC)
F9	Door latch supervisory	Check door lock circuit or replace clock assembly (also called the ERC)
F0	Function key stuck	Replace touch pad or clock assembly (also called the ERC)

* Here is a simple test that you can do to determine whether the clock or the touchpad are defective when the display reads F1:

- Disconnect power to the range.
- Gain access to the back of the ERC (electronic range control, or "clock").
- Unplug the touch pad ribbon connector from the ERC. This will be a flat wire about 1 ½" to 2" wide.
- Make sure everything is clear and will not short out when power is turned back on. Replace any covers removed to gain access to the ERC.
- Turn the power back on to the range.
- Watch for the F-1 and listen for the beep.
- If you get the F-1 and beep, replace the ERC.
- If after approximately 60 Minutes you do not get the F-1 fault, replace the touch pad.

NOTE: Some models incorporate the touch pad and the clock control as one part so F1 = bad clock control.

Warning: If you do not feel comfortable doing this test or making this repair please contact a qualified appliance repair technician.

MAYTAG
Stackable A/W and Dryer Fault Codes

Failure Code	Condition	Check/Repair
"L" persists in washer display	Lid lock failure	Replace switch, linkage, lock solenoid or control board.
1E persists in washer display	Lid lock failure	Replace lid lock switch or control board.
9E appears in dryer display	Door switch failure	Check door switch wiring or door switch or control board
"U" occurs for no	Unbalanced load	Unbalance switch or control board

reason in display		
6E appears in dryer display	Temp control error	Ambient (room) temperature too cool, -or- • thermistor • wire harness • control board
7E appears in dryer display	Temp control error - overheating	Check: • venting for restriction • thermistor • control board • cycling thermostat (regular)
8E appears in dryer display	Motor relay circuit	Check: • relay coil • wire harness or • control board

RCA
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 and F1	Failed Thermistor Control	Replace Electronic Range Control (ERC)
F2	Oven temp exceeds 590F w/ unlocked door	High resistance or interference in oven temperature sensor. Likely a bad oven temperature sensor
F3	Open oven temperature sensor circuit	Replace oven temperature sensor or open oven temperature sensor fuse
F4	Shorted wire (oven temperature sensor)	Locate and correct
F7	A = Function pad button stuck or B = Bad clock	Unstick button or Replace clock assembly (also called the ERC)
F8	Component Failure	Replace Electronic Range Control (ERC)
F9	Program w/ door circuit	Check wiring

ROPER
Range/Stove/Oven Fault Codes
NOTE: Not valid for Y line. If there is a Y near the end of your model number, do not use this chart.

Failure Code	Condition	Check/Repair
4 Digit Failure Code		
F0 - E0	Analog to Digital Failure	Disconnect for 30 seconds - if display re-appears - replace control
F1 - E1	Safety flip flop	Replace Electronic Range Control/Clock (ERC)
F2 - E0	Shorted keypad	Replace Electronic Range Control/Clock

		(ERC)
F3 - E0	Oven temperature sensor or oven temperature sensor fuse opened	Replace oven temperature sensor or fuse
F3 - E1	Oven temperature sensor shorted	Replace oven temperature sensor
F3 - E2	Oven too hot	Replace oven temperature sensor
F3 - E3	Clean temp too hot	Replace oven temperature sensor
F5 - E0 F5 - E1 and E2	Door latch problem	Check door/latch switch, replace if necessary
2 Digit Failure Code		
F0 or F1 or F5	Failed Electronic Range Control (ERC)	Replace Electronic Range Control/Clock (ERC)
F2 - E0	Oven temp too high	**1.** Test operation of door lock on self-clean models **2.** Test relay contact operation **3.** High resistance in oven temperature sensor
F3	Open oven temperature sensor or thermal fuse, bad oven temperature sensor harness, or oven temperature sensor resistance too high	Replace oven temperature sensor or thermal fuse
F4	Shorted oven temperature sensor	Replace oven temperature sensor
F6	Problem in time keeping circuit	**1.** Reset time and/or cooking operation **2.** Check for proper ground
F7	Stuck function switch or button on Electronic Range Control (ERC)	Replace Electronic Range Control/Clock (ERC)
F8	Failure of Electronic Range Control (ERC)	Replace Electronic Range Control/Clock (ERC)
F9	Door lock circuit	Check wiring and test operation of door lock switch
DOOR	Bake or Broil • Defective latch switch • Shorted wire from ERC 10-pin connector, pin 10 to ground • Door latched	Replace latch switch if defective.Replace wire from 10-pin connector if defective
DOOR	Self-Clean • Defective latch switch • Open wire from ERC 10-pin connector, pin 10 to ground • Door not latched	Replace latch switch if defective.Replace wire from 10-pin connector if defective
LOCK	Not in Self-Clean • Oven temperature sensor resistance too high	Check oven temperature sensor resistance, wire harness and connections, replace defective component

ROPER
Range/Stove Oven- Alternative 2 Digit Fault Codes

Failure Code	Condition	Check/Repair
F1	Analog to Digital Failure	Disconnect for 30 seconds - if display re-

		appears - replace control
F1	Safety flip flop	Replace component
F1	Shorted keypad	Replace component
F3	Oven temperature sensor opened	Measure oven temperature sensor resistance, should be1100 ohms. If not, replace sensor
F2	Oven temperature sensor shorted	Replace oven temperature sensor
F3	Oven too hot	Replace oven temperature sensor
F3	Clean temp too hot	Replace oven temperature sensor
F5	Check door/latch switch	Replace component

ROPER
Range/Stove Oven BES, BEP models

Failure Code	Condition	Check/Repair
F2	Bake/Clean temperature runaway alarm	**1.** Allow unit to sit for one hour to cool down **2.** Place oven temperature sensor in a glass of ice water **3.** Measure oven temperature sensor resistance. The oven temperature sensor should measure about 1000 ohms while in the ice water ▪ If the oven temperature sensor is good but the problem remains replace the electronic range control (ERC) ▪ If the oven temperature sensor is bad, replace it
F3	Oven temperature sensor circuit open	Verify the oven temperature sensor wiring harness is OK, if so, replace the oven temperature sensor.
F4	Shorted oven temperature sensor circuit	Verify the oven temperature sensor wiring harness is OK, if so, replace the oven temperature sensor.
F5	Element relay enable on. (STUCK CLOSED)	Replace the electronic range control (ERC)
F6	Power was interrupted	Push the OFF/CANCEL button
F8	Improper door lock points	**1.** Check the door latch switch **2.** Check the 8-pin connector on the control for a good connection Replace the electronic range control (ERC) if the connections and latch switch check out OK.

Roper
Range/Stove 24" Built-In Self-Clean Wall Oven

Failure Code	Condition	Check/Repair
F2	Oven temperature above specifications	8-pin connector oven temperature sensor to the Electronic Range Control (ERC)

F3	Open oven temperature sensor	Check wiring harness, replace oven temperature sensor if necessary
F4	Shorted oven temperature sensor	Check wiring harness, replace oven temperature sensor if necessary
F5	Pushbutton stuck	Check for binding of pushbuttons and control panel glass. If OK, replace touch panel
F6	Computer logic interrupted (timing)	Replace Electronic Range Control (ERC)
F7	Computer logic interrupted (lock motor)	Replace Electronic Range Control (ERC)
F8	Computer logic interrupted	Replace Electronic Range Control (ERC)

SEARS/KENMORE
Range/Stove/Oven Manufacturers

Sears is a department store. They do not build their own appliances. They contract with many different manufacturers to build all of their appliances. This chart will help you determine who actually built your appliance, then you can choose the manufacturer from the charts on this page.

The first 3 digits of the model number determine who built it.					
Roper	**Whirlpool**	**Caloric**	**Kelvinator**	**Gibson**	**D & M**
103 647 835 911 155	106 110 562 665 198	174 960	417 662 628	253	587
GE	**Speed Queen**	**Maytag**	**Litton**	**Toshiba**	**Fedders**
363 362	651	925	747	562	484
Amana	**WCI**	**Tappan**	**Jenn Air**		
596	790	791	629		

TAPPAN
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 & F1	EOC (Electronic Oven Control) failure	Replace Electronic Oven Control
F2	Oven too hot	Check Bake function, if OK, replace oven temperature sensor
F3	Oven temperature sensor open	Check oven temperature sensor, should be ~1100 ohms at room temperature. If too high or low, replace oven temperature sensor
F4	Oven temperature sensor shorted	Replace oven temperature sensor
F5, 6, 7	EOC (Electronic Oven Control) failure	Replace Electronic Oven Control
F8	Lock switches	Check switches and replace if necessary

THERMADOR
Range/Stove/Oven Fault Codes starting with an E

If an error code appears in the cook mode window
Your oven is equipped with an extremely reliable and accurate electronic control. On the rare occasion that something occurs that causes a malfunction, an error message will appear in the oven selector window.

Some errors (E1, E9, E11, E12, and E13) must be cleared by turning off the oven at the circuit breaker and then turning it back on. When an error remains displayed steadily in the off position, after attempting to clear the error, a service call is required.

Have the error code available when you call for service. This will help service determine the problem.

Error Code	Notes	Check/Repair
E1	C, E	Control board problem
E2	K, G	Cook or clean mode runaway
E3	A, H	Open oven temperature sensor (over 5000 ohms)
E4	A, H	Shorted oven temperature sensor (under 500 ohms)
E5	K, D	Control board too cold or too hot, or defective board.
E6	C, J	Control board problem
E7	A, I	Illegal temp display turn off and retry
E8	A, D	Control board problem
E9	A, E	Latch switch problems
E10	B, D	Control board problem
E11	A, F	CT oven; latch switch problem
E12	A, E	CT oven; latch switch problem
E13	A, C	CT ovens; latch froze or no power to latch motor CMT ovens; control board not converted
E14	A, E	Latch switch problems
E15	B, D	Control board problem
Notes		
A	Turns heat off on failed oven only, micro not affected	
B	Turns all heat off, micro not affected	
C	Disables clean mode in both ovens, allows cook and microwave	
D	Error will remain in display until repaired and powered up. No error tones	
E	1. Turn the clock selector knob to OFF 2. "Tweak" the oven control by turning the clock selector knob slightly to the left (counter clockwise). This may stop the flashing message/beeping and clear the display window.	
F	Tweaking clears to "---" for retry	
G	Clears when oven temp drops below runaway temp and selector is off	
H	Can be cancelled by tweaking if a good oven temperature sensor is detected	
I	Cleared with a mode change	
J	Can be tweaked away for retry. User must unlatch and delete the "---" to try to relatch the door	
K	Turns all heat and micro off	

L	If two switches show locked door, then "E13" and "Lock" are permanent in display (all modes). If two switches show an open door you can tweak away the "E13"

THERMADOR
Range/Stove/Oven Fault Codes starting with an F

Error Code	Notes	Check/Repair
F0	Internal logic failure; cancel key supervision. Sounds alarm and resets to non-cook mode	Replace the electronic range control (also called clock or ERC)
F1	Internal logic failure (monitoring function). Sounds alarm and inhibits cook modes	Replace the electronic range control (also called clock or ERC)
F2	Temperature runaway detected (Bake/Broil: 600 - 700 F; Clean: 930 - 1000 degrees F). Sounds alarm and resets to non-cook mode. Check relay board for stuck contacts. Check oven temperature sensor for normal room temperature resistance (1085-1097 ohms at 75 degrees F). Check sensor wiring connectors for a loose or high resistance connection. Check electronic range control (also called clock or ERC) functions	Replace relay board if necessary. Replace oven temperature sensor if other components check normal. If failure repeats, replace electronic range control (also called clock or ERC)
F3	Open circuit detected; oven temperature sensor. Check sensor for normal room temperature resistance (1085-1097 ohms at 75 degrees F). Check wires and connections between electronic range control (also called clock or ERC) and oven temperature sensor	Replace sensor if other components check normal. Replace electronic range control (also called clock or ERC) if fail code reoccurs
F4	Short circuit detected; oven temperature sensor. Check sensor for normal room temperature resistance (1085-1097 ohms at 75 degrees F). Check wires between electronic range control (also called clock or ERC) and sensor.	Replace sensor if other components check normal. Replace electronic range control (also called clock or ERC) if fail code reoccurs
F7	Function key shorted for over 16 seconds. Check for something pressing a key or preventing normal release of the key	Replace electronic range control (also called clock or ERC) if other components check normal
F8	Internal logic failure; calibration. Alarm sounds and resets to non-cook mode. Check oven temperature sensor for normal room temperature resistance (1085-1097 ohms at 75 F). Check wires and connections between electronic range control (also called clock or ERC) and oven temperature sensor	Replace electronic range control (also called clock or ERC) and oven temperature sensor if other components check normal
F9	Internal logic failure; door latch supervision. Alarm sounds and resets to non-cook mode. If door is locked due to clean temperatures, disconnect power until door can be unlocked	Replace the electronic range control (also called clock or ERC)
Fd	Bake & Broil relay drives active simultaneously. Check relay board for damage: trace E6 to K2 & K3, and burned contacts K3 & K4	Replace electronic range control (also called clock or ERC). Replace relay board if necessary
Blank display	No power to electronic range control (also called clock or ERC). Check oven	If relay board transformer open (E1 to E2), replace relay board

| | light and cooktop dial lights (powered by L2 & L1, respectively). Check relay board transformer primary, E1 to E2 (140 ohms typical). If the transformer internal fuse is still OK, check output voltages, pins 9 - 8 (3.2 v.a.c.) and 7 - 6 (21 v.a.c.). Check clock functions after replacing relay board | If still no clock functions replace electronic range control (also called clock or ERC) |

WESTINGHOUSE
Range/Stove/Oven Fault Codes

Failure Code	Condition	Check/Repair
F0 & F1	EOC (Electronic Oven Control) failure	Replace EOC (Electronic Oven Control)
F2	Oven too hot	Likely a bad oven temperature sensorpossible bad EOC (Electronic Oven Control)
F3	Oven temperature sensor open	Replace oven temperature sensor
F4	Oven temperature sensor shorted	Replace oven temperature sensor
F5 or F6 or F7	EOC (Electronic Oven Control) failure	Replace EOC (Electronic Oven Control)

WHIRLPOOL
Polara

Failure Code	Fault Priority	Condition	Check/Repair
F1 F0	N/A	EEPROM communication error	Replace control
F1 E1	N/A	EEPROM checksum error	Replace control
F1 E2	7	UL A/D errors	Replace control
F1 E4	2	Model ID error	Reinsert keytail. If not corrected, replace control.
F1 E6	0	Latch signal mismatch error	Replace control
F2 E0	4	Shorted key error	Replace keypad assembly
F2 E1	3	Keytail unplugged	Reinsertkeytail
F3 E0	5	Top oven sensor open	Check for open circuit. Sensor resistance should be 1K to 1.1K @ room temperature. If not, replace the sensor.
F3 E1	6	Top oven shorted	Check for shorted sensor circuit, otherwise replace sensor
F3 E2	9	Bake range over temperature	At room temperature, sensor resistance should be 1K to 1.1K. If not, replace the sensor. If the sensor checks okay, replace the control.
F3 E3	8	Clean range over temperature	At room temperature, sensor resistance should be 1K to 1.1K. If not, replace the sensor. If the sensor checks okay, replace the control.

F3 E4	10	Bottom oven sensor open	Check for open circuit. Sensor resistance should be 1K to 1.1K @ room temperature. If not, replace the sensor.
F3 E5	15	Bottom oven sensor shorted	Check for shorted sensor circuit, otherwise replace sensor
F5 E0	14	Door switches do not agree	Check door switch. Contacts should be closed when plunger is actuated. Check door switch circuit for open.
F5 E1	16	Door latch not operating	Check that door switch is completely closed. Check latch, solenoid, and actuation switch for electrical or mechanical malfunction.
F8 E0	17	Refrigeration not operating properly	Check for open circuit between control and refrigeration cooling module
PF		Power failure (not a failure mode)	Do not replace control

WHIRLPOOL
Range/Stove/Oven Fault Codes Non Y-Line

NOTE: Not valid for Y line. If there is a Y near the end of your model number, do not use this chart.

Failure Code	Condition	Check/Repair
4 Digit Failure Code		
F0 - E0	Analog to Digital Failure	Disconnect for 30 seconds - if display re-appears - replace control
F1 - E1	Safety flip flop	Replace Electronic Range Control/Clock (ERC)
F2 - E0	Shorted keypad	Replace Electronic Range Control/Clock (ERC)
F3 - E0	Oven temperature sensor or oven temperature sensor fuse opened	Replace oven temperature sensor or fuse
F3 - E1	Oven temperature sensor shorted	Replace oven temperature sensor
F3 - E2	Oven too hot	Replace oven temperature sensor
F3 - E3	Clean temp too hot	Replace oven temperature sensor
F5 - E0 F5 - E1 and E2	Check door/latch switch	Replace component
2 Digit Failure Code		
F0 or F1 or F5	Failed transistor	Replace Electronic Range Control/Clock (ERC)
F2 - E0	Oven temp too high	**1.** Test operation of door lock on self-clean models **2.** Test relay contact operation **3.** High resistance in oven temperature sensor
F3	Open oven temperature sensor or thermal fuse	Replace oven temperature sensor or thermal fuse
F4	Shorted oven temperature sensor	Replace oven temperature sensor
F6	Problem in time keeping circuit	**1.** Reset time and/or cooking operation **2.** Check for proper ground
F7	Stuck function switch or button	Replace ERC (Electronic Range

	on Electronic Range Control (ERC)	Control/Clock)
F8	Failure Electronic Range Control (ERC)	Replace ERC (Electronic Range Control/Clock)
F9	Door lock circuit	Check wiring and test operation of door lock switch

WHIRLPOOL
Range/Stove Oven Fault Codes, Common

Failure Code	Condition	Check/Repair
Digit Failure Code 2		
F1	Analog to Digital Failure	Disconnect for 30 seconds - if display reappears - replace control board
F1	Safety flip flop	Replace board
F1	Shorted keypad	Replace keypad
F3	Oven temperature sensor opened	Replace oven temperature sensor
F2	Oven temperature sensor shorted	Replace oven temperature sensor
F3	Oven too hot	Replace oven temperature sensor
F3	Clean temp too hot	Replace oven temperature sensor
F5	Check door/latch switch	Replace switch if defective
4 Digit Failure Code		
F1 - E1	Safety flip flop	Replace board
F2 - E0	Shorted keypad	Replace keypad
F3 - E0	Oven temperature sensor opened	Replace oven temperature sensor
F3 - E1	Oven temperature sensor shorted	Replace oven temperature sensor
F3 - E2	Oven too hot	Replace oven temperature sensor
F3 - E3	Clean temp too hot	Replace oven temperature sensor
F5 - E0 F5 - E1 and E2	Check door/latch switch	Replace switch if defective

WHIRLPOOL
Range/Stove Oven 30" Free-standing, Models SF3…& 24" Built-In

Failure Code	Condition	Check/Repair
F2	Oven temperature above specifications	8-pin connector oven temperature sensor to the Electronic Range Control (ERC)
F3	Open oven temperature sensor	Check wiring harness, replace oven temperature sensor if necessary
F4	Shorted oven temperature sensor	Check wiring harness, replace oven temperature sensor if necessary
F5	Pushbutton stuck	Check for binding of pushbuttons and control panel glass. If OK, replace touch

		panel
F6	Computer logic interrupted (timing)	Replace Electronic Range Control (ERC)
F7	Computer logic interrupted (lock motor)	Replace Electronic Range Control (ERC)
F8	Computer logic interrupted	Replace Electronic Range Control (ERC)

WHIRLPOOL
Duet & Duet HT

Failure Code	Condition	Check/Repair
F/H	No water detected entering machine or Pressure switch trip not detected. If after 30 seconds the control does not detect water entering machine and then valves will be turned off and the error code will be displayed. **Or** If the control has turned the water valves on and after 8 minutes the flow meter has detected 10.5 gallons of water passing through it, but has not detected the pressure switch trip, the valves will be turned off and the error code will flash.	Press PAUSE/CANCEL twice to clear the display. - If there is no water in the unit: **1.** Make sure that both valves at the water source(s) are turned on all the way. **2.** Check for plugged or kinked inlet hoses or plugged screens in the inlet valves **3.** Verify inlet valve operation - If there is water in the unit: **1.** Verify Drain pump operation **2.** Pressure Switch Hose is in good condition and properly connected to Tub and Pressure switch - Verify there is not a siphon problem - Verify wire harness connections to:Inlet Valves, Pressure Switch, Drain Pump, Flow Meter, and Central Control Unit (CCU) - Check all hoses for possible leaks - Verify pressure switch operation - Verify flow meter operation - Verify CCU operati
F/02	Long Drain If the drain time exceeds 8 minutes, the water valves are turned off and "F/02" is flashed. NOTE: After 4 minutes the "Sud" error will be displayed, then 4 minutes later the F02 error code will be displayed.	Press PAUSE/CANCEL twice to clear the display. - Check the drain hose and make sure it is not plugged or kinked. - Check the electrical connections at the pump and make sure the pump is running. - Check the drain pump filter for foreign objects. - If the above does not correct the problem, replace the pump.
F/05	Water Temperature Sensor Error If during the water heating step in wash cycle, the water temperature sensor (NTC) value is out of range, or the heating element circuit has failed, the "F/05" error code will be displayed.	- Check the Water Temperature Sensor, Heating Element and Element Relay - Check connections to the Sensor, Heating Element and Relay

F/06	Drive Motor Tachometer Error The control is unable to properly detect motor speed and the machine will shut down. If a failure occurs during high-speed spin, the door will be unlocked after 3 minutes.	• Check wire harness connections between the Drive Motor/Tachometer and the Motor Control Unit (MCU), and between the MCU and the Central Control Unit (CCU) • Check the Drive Motor • Check the MCU • Check the Wire Harness
F/07	Motor Control Unit Error The Central Control Unit has detected a short in the motor control unit. If a failure occurs during high-speed spin, the door will be unlocked after 3 minutes.	• Check wire harness connections between the Drive Motor and the Motor Control Unit (MCU), and between the MCU and the Central Control Unit (CCU) • Check the MCU • Check the Drive Motor • Check the Wire Harness
F/09	Overflow Condition If the Overflow contact on the pressure switch is Closed for more than 60 seconds and Overflow condition will occur. In an Overflow condition, the Door will remain locked, and the Drain Pump will run constantly, even if PAUSE/CANCEL is pressed twice and the Display is cleared. Unplug the unit to service.	• Check the drain hose and make sure it is not plugged or inked. • Check Wire Harness connectors to the Drain Pump, Pressure Switch, and Central Control Unit (CCU) • Check/Clean Drain Pump Filter of foreign objects • Check for Drain Pump Failure • Check the Inlet Valve for proper shut off • Check the Pressure switch for proper operation
F/10	Motor Control Unit (MCU) Heat Sink Thermal Trip If the thermal protector on the MCU heat sink gets too hot, it will open the thermal protector on the heat sink which will stop motor functions and an "F/10" will be displayed.	• Check for Proper Installation, verify the unit is not located near a source of heat and has proper ventilation. • Check Wire Harness connectors to the MCU, and Central Control Unit (CCU) • Check the Drive system for any worn or failed components • Check MCU • Check Motor
F/11	Serial Communication Error Communication between the Central Control Unit (CCU) and the Motor Control Unit (MCU) cannot be sent correctly.	• Check Wire Harness connectors to the MCU, the motor, and Central Control Unit (CCU) • Check the Drive system for any worn or failed components • Check MCU • Check CCU • Check Motor • Check Wire Harness
F/13	Dispenser Circuit Error If the dispenser motor is not able to be driven to it's proper position.	• Check mechanical linkage from dispenser motor to the top of the dispenser. • Check Wire Harness connections to the dispenser motor and Central Control Unit (CCU)

		• Check Dispenser Motor
F/14	EEPROM Error The Central Control Unit (CCU) receives it's data from an EEPROM on board the CCU. If there is an error reading this data, it will cause this error.	• A power glitch may cause this error. Try unplugging the Unit for two minutes to see if that fixes the error. • Check CCU
F/15	Motor Control Unit (MCU) Error If the MCU detects multiple resets or errors during a wash cycle, it will go into this error mode.	• Check Wire Harness connectors to the MCU, the motor, and Central Control Unit (CCU) • Check Drive belt • Check MCU • Check Motor • Check Wire Harness
Sud	SUDS LOCK (Overdose of Detergent detected during the Wash Cycle) The motor control unit senses a suds lock condition by analyzing the current draw on the drive motor. If "Sud" is displayed a potential suds lock is detected. This may signify a bad pump, an extra heavy load, excessive detergent, or excessive suds.	• If too much detergent was used, run the unit through a Rinse/Spin cycle, then a Normal cycle, without adding any detergent. This should clear the unit of the excess detergent. • Check the drain hose and make sure it is not plugged or kinked. • Check Wire Harness connectors to the Drain Pump, Pressure Switch, and Central Control Unit (CCU) • Check/Clean Drain Pump Filter of foreign objects • Check Drain Pump • Check Pressure Switch • Check CCU
F/dL	Door Lock Error A Door Lock Error occurs if the door cannot be unlocked. It will try to lock it 6 times before displaying the error.	• Door Lock Mechanism broken or removed from the Door • Check Door Lock/Switch Assembly • Check the wire harness connections to the Door Lock/Switch Assembly and Central Control Unit (CCU) • Door Lock/Switch Assembly Failure
F/dU	Door Unlock Error A Door Unlock Error occurs if the door cannot be unlocked. It will try to unlock the door 6 times before displaying the error.	• Door Lock Mechanism broken. • Check Door Lock/Switch Assembly for foreign objects • Check Wire Harness connections to the Door Lock/Switch Assembly and Central Control Unit (CCU) • Door Lock/Switch Assembly Failure

WHIRLPOOL
Calypso Washing Machine

Failure Code	Condition	Check/Repair
PF	Power Failure	PF flashes if the washer loses power during a running cycle. The washer does not flash PF when it is first plugged in. Press START to continue the cycle from the moment that power was lost -OR- Press STOP/CANCEL to clear the display and completely cancel the cycle.
FL	Flood Condition	FL flashes if any overfill condition occurs. This condition occurs when excessive water in the tub causes the overfill switch to trip. The control must realize that the trip was due to an overfill condition instead of a suds lack condition in order for FL to be displayed With an overfill condition, the beeper repeats a warning every 10 seconds with no time-out. The pump is cycled in drain mode for 30 seconds on, 30 seconds off until the overfill switch resets or power is discontinued to the unit. Press STOP/CANCEL to clear the display.
Er	Processor Reset Error	This error code is displayed if the control failed to save cycle information during a power failure. This does not generate an error code beep. Press STOP/CANCEL to clear the display.
LF	Long Fill	If the water fill time exceeds ten minutes, the water valves are turned off and LF is flashed. Press STOP/CANCEL to clear the display.
CE	Communications Error	If there is any breakdown in communication between the machine controller and the motor controller, CE flashes and the unit beeps once. Some common causes of CE errors include: ▪ Conformal coating on serial communications pins between the machine controller and motor controller. After disconnecting power to the unit, try scraping this coating off the pins. ▪ Check the resistance values between the serial communications pins with the connectors in place. Make sure the harness does not have a bad connection. ▪ Check the quick disconnect at the motor terminal. The drive motor must be hooked up properly or a CE error will occur. ▪ Drive motor thermal protector has opened. ▪Motor controller is not powered or fuse has opened. Replace motor controller. Press STOP/CANCEL to clear the display.
Ld	Long Drain	Ld flashes if it takes longer than 5 minutes to pump out water to a point where the operating pressure switch

		resets. Press STOP/CANCEL to clear the display.
CA Cl	Average current limit Or Instantaneous current limit	If a status signal comes back from the motor controller that a current limit has been breached, the unit will return to standby mode and display either CA for average current limit trip or Cl for instantaneous current limit trip. Average current trip occurs if there is a 2 second average of current draw greater than 5.55 amps at the motor windings. Instantaneous current trip occurs if there is a spike of 26 amps instantly at the motor windings. This may signify problems with the drive motor, thermal protector, or motor controller. Over-loading the unit may cause this problem. Press STOP/CANCEL to clear the display
ob	Off Balance	If the motor controller detects an unrecoverable off-balance condition, the machine controller will shut down and display an ob for Off Balance The lid switch must be opened at least once before restarting the cycle, if this condition occurs. Opening the lid will allow the customer to view and redistribute the load. Press STOP/CANCEL to clear the display.
Sr	Stuck Relay	Sr signifies a failure of the relay in the closed position. With this failure, power to the motor controller cannot be turned off by the machine controller. The machine control board may have a bad relay and may need to be replaced. Check pins 1 and 5 of P16 of the machine controller and pins 1 and 2 of P1 of the motor controller. This should have AC line voltage when the motor controller is powered. Press STOP/CANCEL to clear the display.
LS	Lid Switch Error	The control should flash this error code if it cannot detect the lid switch opening and closing properly. This error code may also be used if there is a disagreement between the motor and machine controllers on the stat if the lid switch. The control should not allow the unit to run in this condition. This code will also appear if the user presses the START key while the lid is open. Open the lid or press STOP/CANCEL to clear the display.

WHIRLPOOL
Calypso Matching Dryer

Failure Code	Condition	Check/Repair
PF	Power Failure	If the household power goes off and the control board was in RUN mode or PAUSE mode, the electronic control board will display a power failure error code.
E1 or E2	Thermistor Failure	The dryer will not operate if the exhaust temperature drops below 18 degrees F, or exceeds 250 degrees F.

| | | When the thermistor circuit is open (>50K ohms), the error code E1 flashes in the display.

When the thermistor circuit is shorted (<500 ohms), the error code E2 flashes in the display.

Normal thermistor resistance values:
60 degrees F. - 15.3K ohms.
70 degrees F. - 11.9K ohms.
80 degrees F. - 9.2K ohms. |
| E3 | Touchpad or Software mismatch | Flashes when there is a touchpad or software mismatch. NOTE: This error code is displayed only in diagnostics mode. |

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