Dacor Classic Wall Oven and Range Fault Codes

Wall Oven Models: ECS/ECD, PCS/PCD, MCS/MCD SINGLE AND DOUBLE OVENS, 27" AND 30"
Range Models: PGR, RSE, RSG, RSD, ERD30-60, ERDE36-48 MRE, MRES, EGR, ERG30-36

-F0- Shorted Or Jammed Input Device
This failure will appear if a shorted or jammed input device is defective. Possible causes include shorted wires or a defective membrane switch.

-F1- Alarm "System Watchdog Circuit"
ERC Self-Diagnostic circuitry has detected a failure in the bake/broil system. Any portion of the ERC, relay board, touch pad, heating elements and related wiring may be at fault.
How to diagnose/repair potential cause:
Step 1: Disconnect membrane from ERC. If an F-1 alarm is not activated within 30 seconds, check membrane function test points with an OHM meter. (refer to page 20 of the Diagnostic Test Manual) If the membrane test switch fails, replace membrane. If membrane test is good, continue to step 2.
Step 2: At ERC check for 24 VDC between J2 pins 1 and 3 for upper/single ovens or J5 pins 7 and 10 for lower ovens (when lower oven is not in a cooking/clean mode) **Note: F-1 must be showing in the ERC/Clock Display. I you read 24 VDC at those test points, replace ERC

-F2- Alarm Heating Mode High Temperature
Is activated when the ERC senses a runaway heat condition or when the temperature exceeds "runaway limits". The ERC will beep until the cancel or another function is selected. If the alarm repeats the F2 alarm check the oven sensor and wiring after first checking for a stuck relay. If alarm goes away verify the oven will complete a clean cycle without any type of failure.

-F3- Alarm Shorted Oven Sensor
Occurs when the ERC senses a short circuit in the oven temperature sensor for 16 temperature conversions in a row. F-3 will appear in the digits and a beeping will be heard. If the alarm does not go away after pressing the cancel key check the sensor and wiring. **Important Note: This test will only be performed while a cooking operation is being attempted. The F3 alarm will not be displayed in the time of day mode.

-F4- Alarm Open Oven Sensor
"F4" will be displayed along with a beeping if the ERC determines an open oven temperature sensor circuit for 16 consecutive oven temperature conversions. **Important note: This test will only be performed while a cooking operation is being attempted. The F4 message will not be displayed in the time of day mode. **Important note: If the oven sensor is open the bake modes cannot be activated. The controls will be non-responsive. Look for this failure, as at first appearance you may suspect the ERC or selector instead of an open sensor. A strange number may also appear in this failure mode.

-F5- ERC self-diagnostic failure
Replace ERC.

-F6- Alarm EEPROM Checksum Error
The brain of this oven (so to speak) operates a series of software commands. These commands control the various features and functions of the oven. A numerical value has been assigned to each function or operation. The numerical values can be added up - this is the check sum operation. Every time the system is powered up and after each clean cycle the system performs a check sum and compares the value to the value programmed into the software. (stored in memory.) An EEPROM check sum error or F-6 alarm occurs when the values differ. Only the time of day and timer operation will operate. If you receive a F-6 alarm replace the ERC.

-F7- Alarm Door Lock Enabled Above Temperature
"F7" will appear in the digits and a beeping will be heard if a failure in the clean lock/ phase circuitry is detected for 16 seconds in a row. Check the door lock switches and door adjustments.

-F8- Alarm Door Locking Switch
Occurs when operating the door lock motor if the motor runs for two minutes without seeing the phase switch change positions. This failure will normally occur only when a clean mode is started. If it occurs check the door switches and wiring.