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WARNING



Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

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

PRECAUTIONS TO BE OBSERVED
BEFORE AND DURING SERVICING
TO AVOID POSSIBLE
EXPOSURE TO EXCESSIVE
MICROWAVE ENERGY

a. Do not operate or allow the oven to be operated with the door open.

b. Make the following safety checks on all ovens to be serviced before activating the magnetron or other microwave source, and make repairs as necessary:

1. Interlock Operation

2. Proper Door Closing

3. Seal and Sealing Surfaces (Arcing, Wear and Other Damage)

4. Damage to or Loosening of Hinges and Latches

5. Evidence of Dropping or Abuse

c. Before turning on microwave power for any service test or inspection within the microwave generating compartments, check the magnetron, waveguide or transmission line, and cavity for proper alignment, integrity and connections.

d. Any defective or misadjusted components in the interlock, monitor, door seal, and microwave generation and transmission systems shall be repaired, replaced, or adjusted by procedures described in service manual before the oven is released to the owner.

e. A microwave leakage check to verify compliance with the Federal Performance Standard should be performed on each oven prior to release to the owner.

f. Do not attempt to operate the oven if the door glass is broken.

MICROWAVE (SENSOR) COOKING

FAILURE CODES INDICATIONS

NOTE: Many of the problems listed in the chart below may be solved by power cycling: Unplug microwave oven or disconnect power. After 1 minute, plug in microwave oven or reconnect power.

Display	Likely Failure Condition	Recommended Repair Procedure
Flashing colon ":"	Power failure	After a power failure, the colon ":" will be flashing. Press any key to end this indication. The colon will then be steady when in standby.
F2	Touch panel failure	1. Unplug microwave oven or disconnect power. 2. Replace touch panel. 3. Replace all parts and panels before operating. 4. Plug in microwave oven or reconnect power. 5. If problem persists, unplug microwave oven or disconnect power. 6. Replace electronic control. 7. Replace all parts and panels before operating. 8. Plug in microwave oven or reconnect power.
F3C	Cavity temperature sensor failure	1. Unplug microwave oven or disconnect power. 2. Check cavity temperature sensor connection. 3. Replace the cavity temperature sensor. 4. Replace all parts and panels before operating. 5. Plug in microwave oven or reconnect power. 6. If problem persists, unplug microwave oven or disconnect power. 7. Replace electronic control. 8. Replace all parts and panels before operating. 9. Plug in microwave oven or reconnect power.
F3H	Humidity sensor failure	1. Unplug microwave oven or disconnect power. 2. Connect a new humidity sensor to the electronic control (at P1). 3. Replace all parts and panels before operating. 4. Plug in microwave oven or reconnect power. 5. If no failure code appears when starting sensor function, unplug microwave oven or disconnect power. 6. Replace humidity sensor. 7. Replace all parts and panels before operating. 8. Plug in microwave oven or reconnect power. 9. If failure code appears when starting sensor function, unplug microwave oven or disconnect power. 10. Replace electronic control. 11. Replace all parts and panels before operating. 12. Plug in microwave oven or reconnect power.

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FOR SERVICE TECHNICIAN'S USE ONLY

Display	Likely Failure Condition	Recommended Repair Procedure
F6	MW relay	1. Unplug microwave oven or disconnect power. 2. Check wiring to Relay 4903. 3. Check to see if the relay (4903 on relay electronic control) contact has welded closed. 4. Replace all parts and panels before operating.

Display	Likely Failure Condition	Recommended Repair Procedure
F6	MW relay	5. Plug in microwave oven or reconnect power. 6. If problem persists, unplug microwave oven or disconnect power. 7. Replace electronic control. 8. Replace all parts and panels before operating. 9. Plug in microwave oven or reconnect power.

SCHEMATIC DIAGRAM

