


6.2. Troubleshooting guide

CAUTION

1. Check grounding before checking for trouble.
2. Be careful of the high voltage circuit.
3. Discharge high voltage capacitor.
4. When checking the continuity of the switches or the high voltage transformer, disconnect one lead wire from these parts and then check continuity with the AC plug removed. To do otherwise may result in a false reading or damage to your meter.
When disconnecting a plastic connector from a terminal, you must hold the plastic connector instead of the lead wire and then disconnect it, otherwise lead wire may be open or the connector cannot be removed.
5. Be sure to ground any static electric charge built up in your body, before handling the D.P.C.
6. A 230V AC is present at the shaded area  of the power supply circuit board (Terminals of power relays and primary circuit of low voltage transformer). When troubleshooting, be cautious of possible electrical shock hazard.

First of all operate the microwave oven following the correct operating procedures described on pages 4 ~ 8 of this service manual in order to find the exact cause of any trouble.

NOTE: If the unit shows faulty symptom as shown below, check the parts listed in possible cause column depending on failure indication e.g. F81, F82 in the display.

[TROUBLE 1] Oven does not operate at all or oven does not start cooking.

DISPLAY	CONDITIONS	POSSIBLE CAUSE	TIMING OF FAILURE INDICATION
F33	Open temperature sensor (exhaust)	1. Temperature sensor failure 2. Digital programmer circuit failure 3. Loose connector CN4	It is appeared when failure occurred.
F34	Short temperature sensor (exhaust)	1. Temperature sensor failure 2. Digital programmer circuit failure	It is appeared when failure occurred.
F44		1. Shorted membrane switch 2. Digital programmer circuit failure	It is appeared 2 minuted after failure occurred.
F01 (With continuous beep sounds)	Exhaust temperature exceeds 120°C	1. Burning food in the oven due to over cooking	It is appeared when exhaust temperature exceeds above 120°C
F05	Memory failure	1. Digital programmer circuit failure	
No display	2.5A fuse blown	1. Switch failure SW4, SW5, SW6, SW7 2. Low voltage transformer failure	
No display	2.5A fuse is OK	1. Switch failure SW1, SW2, SW3 2. Low voltage transformer failure 3. Digital programmer circuit failure	
F81	No voltage supply to high voltage transformer (upper)	1. Relay failure RY-3 2. Switch failure SW4, SW5 3. 10A fuse open 4. Digital programmer circuit failure	It is appeared when cooking is completed.
F82	No voltage supply to high voltage transformer (lower)	1. Relay failure RY-4 2. Switch failure SW6, SW7 3. 10A fuse open 4. Digital programmer circuit failure	It is appeared when cooking is completed.
F86	Shorted contacts of RY-3 and RY-5	1. Relay failure RY-3 and RY-5 2. Digital programmer circuit failure	It is appeared when failure occurred.
F87	Shorted contacts of RY-4 and RY-5	1. Relay failure RY-4 and RY-5 2. Digital programmer circuit failure	It is appeared when failure occurred.