

SERVICE MANUAL

Microwave Oven Model: TMO-1960M

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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:

 alignment, integrity and connections.

 (d) Any defective or misadjusted components in the interlock, monitor, door seal, and
 - 1. Interlock operation
 - 2. Proper door closing
 - Seal and sealing surfaces (arcing, wear, and other damage)
 - 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 this 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.

2. PRECAUTIONS

Unless the necessary precautions are taken, microwave energy is potentially hazardous to health. We must therefore stress the followings points:

- 2.1 Servicing should only be carried out by suitably qualified service personnel.
- 2.2 All servicing and repairs should be carried out in accordance with the procedures described in this manual.
- 2.3 Some components used in the microwave oven are important for safety reasons. They are identified in the parts lists by the symbol and must be replaced with the manufacturers specified parts to avoid microwave leakage, electric shock, fire or other hazards.
- 2.4 Do not modify the original design for any reason.
- 2.5 Check for microwave leakage, as described later in this publication, after any servicing has been completed and before releasing it to the customer.
- 2.6 Do not operate the oven under any circumstances with the door open. This should not normally be possible, therefore do not tamper with the door interlocks.
- 2.7 Make the following safety checks before activating the magnetron and make repairs as necessary.
 - a) Interlock operation.
 - b) Proper door closing.
 - c) Seal and sealing surfaces are free from arcing, wear or other damage.
 - d) Damage to or loosening of hinges and latches.
 - e) Evidence of dropping or other abuse.
- 2.8 Before turning on the microwave power for any test or inspection within the microwave generating compartments, check that the magnetron is correctly bolted in position and aligned to the oven waveguide. Ensure that the electrical connections to the magnetron are secure.
- 2.9 Any defective or maladjusted components in the interlock, monitor, door seal, and microwave generation area must be repaired, replaced or adjusted by procedures described in this manual before the oven is released to the owner.
- 2 10 CHECK FOR RADITION LEAKAGE AFTER EVERY SERVICING.

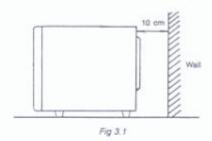
Should the leakage be more than 5 mW/cm³ inform TATUNG (US) Ltd. immediately and the oven should be repaired at no cost to the owner. Also the service person should inform the owner that the oven has be used until the oven has been brought into compliance.

2.11 If an oven is found that operates with the door open the user should be told not to operate the oven and both TATUNG (US) Ltd. and the Center for Devices and Radiological Health (Food and Drug Administration) should be contacted immediately.

3. INSTALLATION

- 3.1 This appliance must be properly earthed.
- 3.2 Confirm that the power source capacity is adequate.
- 3.3 Use the microwave oven in an ambient temperature of less than 104°F (40°C).
- 3.4 Place as far as possible from high temperature heat source and vapour.
- 3.5 Place the microwave oven away from radios, T.V.'s etc.
- 3.6 Place the microwave oven on a firm surface.
- 3.7 Do not obstruct the ventilation slots or the free flow of air underneath the appliance.

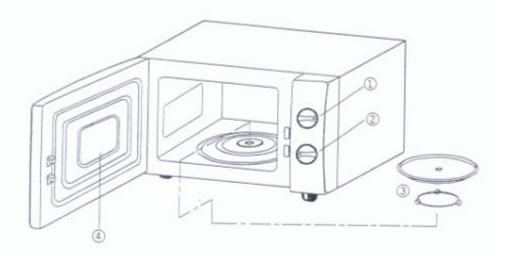
THE DISTANCE BETWEEN THE BACK OF THE APPLIANCE AND THE WALL SHOULD BE 10CM OR GREATER.



4. SPECIFICATIONS

Power Source :	120V AC Single Phase 60 Hz
Power Requirement :	1,250 W
Output :	700 W Full Power
Oscillation Frequency :	2,450 MHz
Timer :	35 Min
Outside Dimensions :	17.7" (W) × 13.8" (D) × 12.2" (H) 450 mm (W) × 350 mm (D) × 310 mm (H)
Over Cavity Dimension :	11.6° (W) × 12.0° (D) × 8.5° (H) 295 mm (W) × 305 mm (D) × 215 mm (H)
Cavity Volume :	0.65 Cu ft
Net Weight :	28.7 lbs (13 Kg)
Shipping Weight:	33.1 lbs (15 Kg)

5. OPERATING INSTRUCTIONS



Power Select Control
 Turn to choose cooking power from HIGH to LOW.

HIGH	700W	Full	Power
M.HIGH	540W	77%	Power
MEDIUM	385W	55%	Power
DEFFROST	230W	33%	Power
LOW	120W	17%	Power

- (2) Timer Turn to set cooking time up to 35 minutes.
- (3) Roller Ring & Cooking Tray Must be placed in the oven before cooking.
- (4) Oven Window

OPERATION

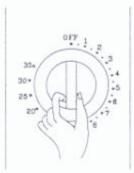
- Make sure unit is plugged into a three-prong grounded 120V circuit.
- Open the door and place roller ring and cooking tray into bottom of the oven. PLACE CONTAINER OF FOOD on the cooking tray for cocking.
 Do not cook directly on the cooking tray.



- 3. CLOSE THE DOOR securely.
- Choose cooking power by setting Power Selector to desired position.



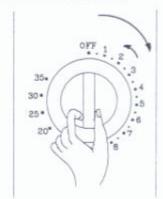
- Determine cooking time. Consult cookbook for recipe timing.
 - Oven Light turns on. Turntable rotates.



- You may open the door while the oven is operating. As soon as the door is opened, the safety mechanisms stop microwave power and cooking time. To continue cooking, close door.
 - If you wish to change the time during cooking, simply adjust the Timer to desired minutes,
- When time has elapsed, a bell will ring and the unit will turn off.
 - Oven Light turns off, and Turntable stops.
 If additional cooking time is needed and the door has not been opened, the oven will automatically start when the Timer is reset.

NOTE:

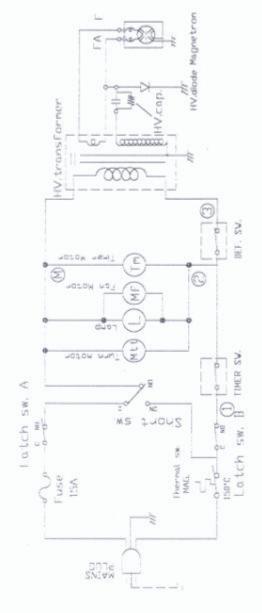
 When setting Timer for less than 2 minutes, turn Timer past 2 minutes and then return to correct timing.



 Various clicking noises may be heard when the oven is Operating.
 This is normal and does not affect the operation of your microwave oven.



Mircowave Oven



TMO-1960M WIRING DIAGRAM

NOTE: Door is closed.
Timer switch is on.
Power selector high
Ground -

Chassis///

IMPORTANT SAFETY NOTE :

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM MICROWAVE RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURERS SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC DIAGRAM.

7. CIRCUIT DESCRIPTION

- 1. When the door is closed the SHORT SW. opens and LATCH SW. A, B closes.
- 2. Choose cooking power by setting Power Select.
- 3. When the TIMER SW, is closed by operating the TIMER control.
 - a) The oven light illuminates.
 - b) The TIMER starts rotating.
 - c) The turntable and fan motors start.
 - d) The mains voltage is applied to the HIGH VOLTAGE TRANSFORMER and the MAGNETRON oscillates to generate microwave energy.
- When the door is opened during the cooking cycle the functions initiated in 1 and 3- b), c), d) above are reversed. Close the door to resume.
- 5. When the selected timer has elapsed the TIMER SW, opens to stop microwave oscillation, the oven light goes out, and the turntable and fan motors stop.
- As a safery cut-out device, if the contacts of LATCH SWITCH A and B fail to open when the door is opened, the closing of the SHORT SW. causes a current surge which blows the 15A FUSE and shuts down the magnetron.
- 7. Variable power cooking control:

The power selector control the ON-OFF time of the variable power switch to vary the output power of the microwave oven from "Low" to "HIGH". One complete cycle of the power selector is 30 seconds, in which the variable power switch is turned "ON" or "OFF" in the 30 second period. By controlling the timing of the variable power switch "ON" period, the 120 Vac supplied to the high voltage transformer is interrupted intermittently so that the average output power of the microwave oven is varied.

POWER CHART:

Power select	Power output	On, Off time on Variable power switch
ніан	approx. To wans Full Power	505 335
M. HIGH	epprox. 540 wins **** Power	ON OFF ON OFF
MEDIUM	approx 385 wigs 54% Power	ON DES ON DES
DEFROST	approx. 230 wats 33% Power	0N 0FF 0N 0FF
LOW	approx. 120 watta 17% Power	074 OFF ON OFF

Fig. 7.1

8. WORKING PRECAUTIONS

Unlike many other appliances, the microwave oven is a high voltage and high current device. Though it is tree from danger in normal use, extreme care should be taken during servicing. Never fail to comply with the following:

- CAUTION Remove watches, rings or other adornments when working close to or replacing the magnetron.
- WARNING The high voltage capacitor retains an electric charge for about 30 seconds after the
 oven is switched off. Before replacing or checking components remove the power plug from the
 mains socket and then, using an insulated screw driver, short the capacitor to the chassis to
 discharge it. Touch the chassis before touching the capacitor terminal.
- WARNING There is high voltage with high current capabilities present in the high voltage winding and the filament winding of the high voltage transformer. It is EXTREMELY DANGEROUS to work on these circuits with the oven energised.
- 4. NEVER attempt to measure voltages in the high voltage circuit, including the magnetron filament.
- NEVER touch any of the high voltage circuitry, even with an insulated tool, whilst the oven is operating.
- ALWAYS replace LATCH switches A and B, and the SHORT SW. together if ever the 15 amp fuse blows due to operation of the SHORT SW. Make sure the replacement fuse if of the correct type and rating (see parts list).
- NEVER insert any metal object through any of the apertures in the oven casing. Such objects could act as antennas and cause microwave leakage.
- 8. AFTER SERVICING
 - a) Make sure that all screws are present and tightened securely.
 - b) Check that all electrical connections are secure.
 - c) Check for microwave leakage as described in Section 12 of this publication.

EXERCISE EXTREME CAUTION WHEN WORKING WITH THE OVEN ENERGISED.

9. DISMANTLING/ASSEMBLY

Before attempting to dismantle any part of the microwave oven proceed as follows:

- 1) Remove the cooking tray and roller ring from the oven cavity.
- 2) Remove the cover enclosing the top and sides of the oven. This is secured by 5 retaining screws on the sides and back. After removing the screws raise the back edge of the cover, then slide toward the rear and lift clear.
- 3) If there is any possibility of the high voltage capacitor having a residual electric charge, discharge as described in Section 8 Paragraph 2.

9.1 Replacement of the magnetron

CAUTION:

Servicemen should remove their watches whenever working close to or replacing the magnetron.

- a) Discharge the high voltage capacitor.
- b) Remove 2 screws holding thermal cutout.
- c) Remove air guide A by removing 1 screw holding it to the magnetron case.
- d) Remove 2 high voltage leads from filament terminals.
- Remove 4 nuts holding the magnetron.
 Reassemble in the reverse order.

NOTE:

- (1) To prevent microwave leakage, tighten mounting nuts properly making sure there is no gap between the waveguide and the magnetron.
- (2) Never install the magnetron without the embossed ring (refer to Fig. 10.2) which is packed with each magnetron to prevent microwave leakage.

CAUTION:

When connecting 2 filament lead wires to the magnetron terminals, be sure to connect the lead wires in the correct position. The lead wire of high voltage transformer should be connected to "F terminal" and the lead wire from high voltage capacitor should be connected to "FA terminal". (See Fig. 9.1)

9.2 Replacement of the fan motor

- a) Remove the magnetron according to the procedures in paragraph 1.
- b) Disconnect 2 lead wires connected to the fan motor.
- c) Remove fan blade from the fan motor shaft by pulling it to front side.
- d) Remove the fan motor by removing 2 screws holding it to the BACK PANEL. (Fig. 9.1)
- e) Reassemble in the reverse order.

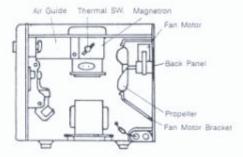


Fig. 9.1

9.3 Replacement of the timer

- a) Disconnect all lead wires from the timer.
- b) Remove 1 screw holding the oven unit. (Fig. 9.2)
- c) Remove the timer knob and the power control knob by pulling it toward you.
- d) Remove the timer by removing the 3 screws. (Fig. 9.2)
- e) Reassemble in the reverse order.

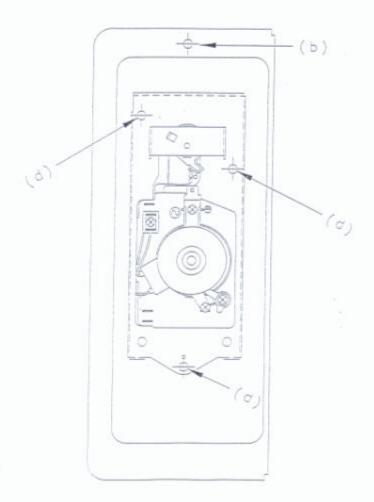


Fig. 9.2

9.4 Disassembly and replacement of the door assembly

- a) Remove 2 bolts of holding the upper hinge to the oven assembly.
- b) Open the door assembly and inclining the door assembly and then hold the door assembly upward while the upper hinge slidding out of the hole in the oven assembly. The door assembly will be simply lifted off lower hinge at same time.
- Place a protective pad or soft cloth on working table so as prevent scratches on door assembly.
- d) Using a smooth end material, put it into the gap between door C and door A catch hooks around (6) then expanding the gap and putting out of the door A catch hooks separate the door A and ornament plate. (Fig. 9.3) (Fig. 9.4)
- e) Press door C outwardly, putting out the door C catch hooks (4) than taking off door C.
- Remove door keys, door key lever, door key spring and handle pins from the door B assembly. (Fig. 9.5)
- g) Reassembly in the reverse order.
- h) When mounting the door assembly to the oven assembly, be sure to adjust the door assembly parallel to the bottom line of the oven face plate by moving the upper hinge and lower hinge in the direction necessary for proper alignment. Also adjust so that the door has no play between the inner door surface and oven frame assembly. If the door assembly is not mounted properly, microwaves may leak from the clearance between the door and the oven.

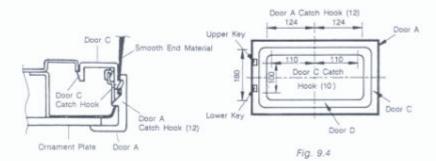


Fig. 9.3

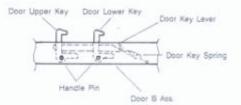


Fig. 9.5

- 9.5 Replacement of turntable motor
 - a) Remove the turntable motor cover by breaking off at the 2 spots indicated by arrows with a cutter or the like. (Fig. 9.7)
 - b) Disconnect the turntable motor connector.
 - c) Remove the turntable motor by removing 2 screws.
 - d) Reassemble in reverse order.

NOTE:

To reinstall the turntable motor cover, use screw M4x8L (B-TITE). (Fig. 9.8)

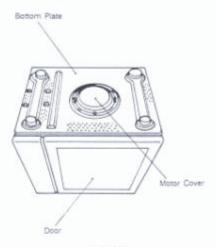


Fig. 9.6

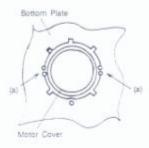


Fig. 9.7

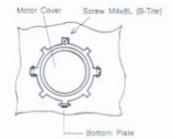


Fig. 9.8

10. TEST PROCEDURES

WARNING:

High voltage is present at the high voltage terminal of the high voltage transformer during any cook cycle. It is NEITHER NECESSARY NOR ADVISABLE to attempt measurement of the high voltage.

CAUTION:

Before carrying out the following tests disconnect the oven from its power source and discharge the High Voltage Capacitor as described in Section 8, paragraph 2.

10.1 High Voltage Transformer (Fig. 10.1)

- a) Remove connections from the transformer terminals and check continuity.
- b) Using a multimeter set to a suitable range measure resistance which should be within the following limits:

1)	Primary winding	0.479 ±	10%	3
2)	Secondary winding	97.78 =	10%	12
35	Filament winding	Approx. 0	Ñ.	

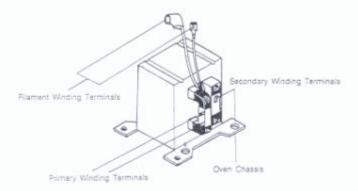


Fig. 10.1

10.2 High Voltage Capacitor

- a) Check continuity of capacitor with meter on highest OHM scale
- b) A normal capacitor will show continuity for a short time, and then indicate 10M ohms once the capacitor is charged.
- c) A shorted capacitor will show continuous continuity.
- d) An open capacitor will show constant 10M ohms.
 e) Resistance between each terminal and chassis should be infinite.

10.3 High Voltage Diode

- a) Disconnect the diode lead from the high voltage capacitor.
- b) Set the multimeter to its highest resistance range. Connect the meter positive lead to the chassis and the negative lead to the wire previously disconnected from the high voltage capacitor. A reading over 100K ohms should be obtained.
- c) Reverse the multimeter leads. A reading of infinity should be obtained

10.4 Magnetron (Fig. 10.2)

It is only possible to perform basic checks on the magnetron. These tests can only diagnose an open circuit filament or a shorted magnetron.

- a) Isolate magnetron from the circuit by disconnecting the leads.
 b) A continuity check across magnetron filament terminals should indicate 1 ohm or less.
 c) A continuity check between each filament terminal and magnetron case should read open.

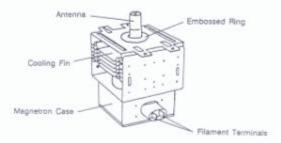


Fig. 10.2

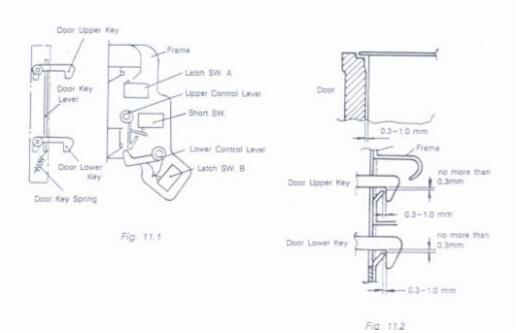
11. ADJUSTMENTS AND MEASUREMENTS

WARNING:

For continued protection against radiation hazard, replace only with identical replacement parts. When the 15 Amp, fuse is blown due to the operation of short switch, you must replace latch switch A, latch switch B and short switch. Then follow the adjustment procedures below. Interlock switch replacement — in replacing faulty switches, be sure mounting tabs are not bent broken or otherwise deficient in their power to hold the switches.

11.1 Adjustment of latch SW. A, B and short SW.

- a) When mounting the latch SW. A, B and short SW. to the frame assembly, mount the latch SW. A, B and short SW. to the frame assembly as shown in Fig. 11.1. (No specific adjustment during installation of latch SW. A, B and short SW. the frame is necessary.)
- b) When mounting the frame assembly to the oven assembly, adjust the frame assembly by moving it in the direction of arrow in Fig. 11.2 so that the oven door will not have any vacancy in it. Check for vacancy in the door by pulling the door assembly. Make sure that the latch key moves smoothly after adjustment is completed. Completely tighten the screws holding the frame assembly to the oven assembly.



11.2 Measurement of microwave output

The power output of the magnetron can be measured by performing a simple water temperature rise test. To perform the test you will require two 1 liter beakers and a glass thermometer.

- a) Fill each beaker with water, labelling them A and B. Stir each with the thermometer and note the temperature readings. Call them T1A and T1B respectively.
- b) Calculate the average initial temperature (T1) as follows:

$$T1 = (T1A + T1B)/2$$

- c) Place both beakers on the center of the glass cook plate. Set the oven for High power and set two minutes. Heat the water for exactly two minutes.
- d) When heating is finished, stir the water again with the thermometer and measure the temperature rise as T2A and T2B.
- e) Calculate the average final temperature (T2) as follows:

$$T2 = (T2A + T2B)/2$$

- f) Subtract T1 from T2. This will give you the temperature rise.
- h) The normal temperature rise for this model is 9°C to 11°C (48.2°F to 51.8°F) at the "High" power selection.

NOTE:

As a quick check to determine whether or not the magnetron is operating (but not to measure its output) place a beaker full of water in the oven and set a one minute at the "High" power selection. The water should be noticeably warmer.

12. MEASUREMENT OF MICROWAVE ENERGY LEAKAGE

NOTE:

Whenever servicing has been carried out always check the levels of microwave energy leakage. This should normally be carried out with the oven outer panel fitted, see paragraph 12.1 below. However, if the magnetron has been replaced the checks detailed in paragraph 12.2 should be carried out first, followed by those in paragraph 12.1.

Equipment Required:

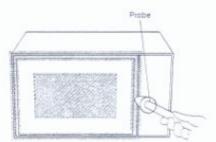
- a) Electromagnetic energy leakage monitor graduated in mW/cm².
- b) Beaker graduated to 600 cc.

12.1 Measurement with the outer panel fitted

- a) Pour 275 ± 15cc of 20 ± 5°C water in a beaker which is graduated to 600cc, and place the beaker in the center of the oven.
- Set the electromagnetic energy leakage monitor to 2450 MHz and use it following the manufacturer's recommended test procedure to assure correct results.
- c) When measuring the leakage, always use the 2 inch (5 cm) spacer supplied with the probe. To prevent false readings the test probe should be held by the grlp portion of the handle only and moved along the shaded area shown in Fig. 12.1 no faster then 1 inch/sec. (2.5 cm/sec)
- d) Set the oven timer to 15 minutes. Press the start button and with the magnetron oscillating, measure the leakage by holding the probe perpendicular to the surface being measured. The readings should not exceed 2 mW/cm². Should the leakage be more than 2 mW/cm² inform the Tatung (US) Ltd. immediately.

WARNING:

If an excessively high reading causes the meter to exceed its full scale deflection remove the probe immediately to prevent damage to the meter.



Move Probe Along Shaded Area Around Exhaust Openings and Around Air Inlet Openings

12.2 Measurement with the outer panel removed

NOTE:

Measurement should not normally be made with the outer panel removed. However, if the magnetron has been replaced, measure for radiation leakage before the outer panel is installed and after all necessary components are replaced or adjusted.

- a) Once the magnetron and any associated components have been replaced connect the appliance to the mains.
- Put the beaker of water in the center of the oven and close the door. Set the oven timer to a suitable setting (e.g. 10 minutes).
- c) DANGER: Before set oven timer, be reminded that there are potentially lethal voltages around the magnetron and high voltage parts. AVOID CONTACTING ANY HIGH VOLTAGE PARTS.
- Set oven timer and with the magnetron oscillating, measure around the magnetron and the air guide. (Fig. 12.2) Reading should not exceed 5 mW/cm².
- e) On completion of tests press the open button to switch off the magnetron. Remove the mains
- To make the appliance completely safe, discharge the high voltage capacitor as described in Section 8.)
- g) Refit the outer panel and then carry out the checks detailed in paragraph 12.1 above.

NOTE:

The maximum leakage allowable by the U.S. government standard is 5 mW/cm², at any point 50 mm or more from the external surface of the appliance. The figure of 2 mW/cm² stated here is Tatung (US) Ltd. own voluntary standard.

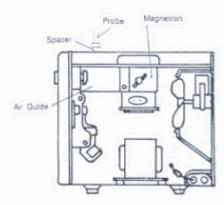


Fig. 12.2

13. FAULT FINDING

CAUTION:

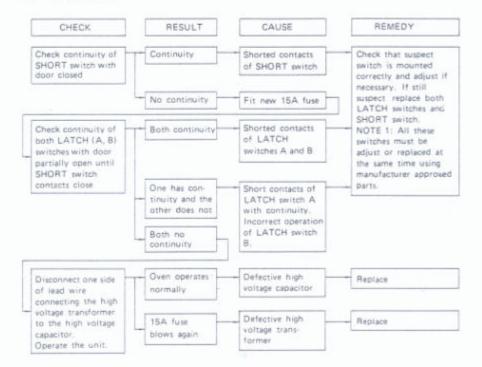
Remember always that dangerously high voltages are present when the unit is switched on. Always discharge the High Voltage Capacitor (Section 8, paragraph 2) after switching off and disconnecting the mains plug. Read Section 8, Working Precautions, before proceeding.

GENERAL NOTES:

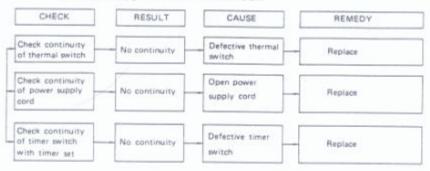
- When checking the continuity of the switches or of the high voltage transformer disconnect the mains plug from the power supply and one of the leads from the component. Failure to disconnect the mains plug could give a false reading and/or damage your meter.
- When removing a plastic covered connector from a terminal, hold the plastic cover, not the insulated wire. Pulling the insulated wire could weaken the connection or expose bare wire carrying high voltage.

13.1 Oven does not operate

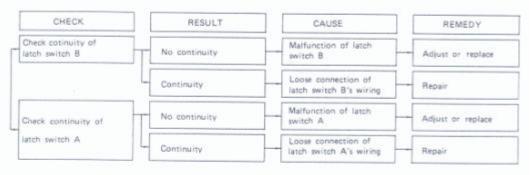
a) 15A fuse blows



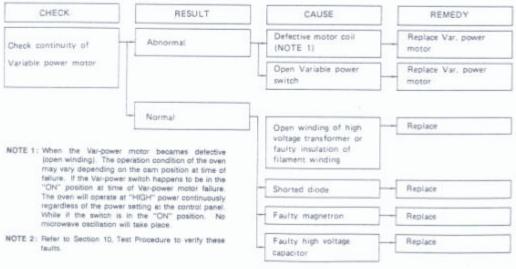
b) Power supply intact. Fuse does not blow.



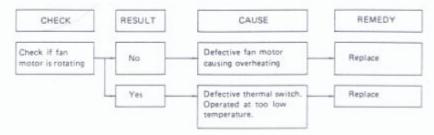
13.2 Fan motor and turntable motor do not operate even though timer is set. (Oven light turns on.)



13.3 No microwave oscillation even though fan motor and turntable rotate.



- 13.4 Microwave output is low. All other functions seem normal. Verify that the microwave output is low by testing as described in Section 11, paragraph 11.3. If low output is confirmed replace the magnetron as described in Section 9, paragraph 9.1.
- 13.5 The oven cuts out after serveral minutes, only to resume working after a considerable time delay.



14. PARTS LIST

(1) OVEN-MAIN ASSEMBLY (F	Fig. 1	(4.1)
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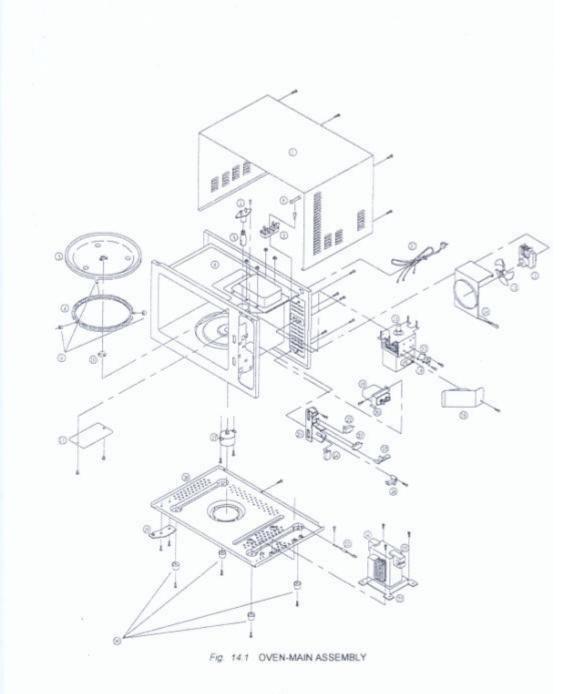
NO.	DESCRIPTION	STOCK NO.	QTY	NOTE
1	OUTER PANEL	0251102130	1	
2	LAMP SOCKET	0251832010	1	
3	LAMP	0251831010	1	
4	FUSE	0251831050	1	
5	FUSE HOLDER	0251832050	1	
6	OVEN UNIT ASSEMBLY	0251110000	1	
7	COOKING TRAY	0251900010	1	
8	ROLLER RING	0251901030	1	
9	ROLLER	0251901020	3	
10	PULLEY SHAFT	0251110140	1	
11	TOP PLATE	0251110050	1	
12	FAN MOTOR ASSEMBLY	0251841011	1	
13	FAN MOTOR	0251110172	1	
14	PROPELLER	0251110100	1	
15	MAGNETRON	0251821231	1	
16	THERMAL SW.	0251813011	1	
17	THERMAL SW. WASHER	0251110160	1	
18	AIR GUIDE	0251110110	1	
19	H.V. CAPACITOR	0251823012	1	
20	CAPACITOR BRACKET	0251110120	1	
21	FRAME	0251110270	1	
22	LATCH SW. A	0251811020	1	
23	SHORT SW.	0251811020	1	
24	LATCH SW. B	0251811020	1	
25	UPPER CONTROL LEVEL	0251110080	1	
26	LOWER CONTROL LEVEL	0251110090	1	
27	TURNTABLE MOTOR	0251842010	1	
28	BOTTOM PLATE ASSEMBLY	0251510000	1	
29	LOWER HINGE	0251300140	1	
30	FOOT	0251500210	4	
31	POWER CORD	5056715004	1	
32	H.V. DIODE	0251824010	1	
33	H.V. TRANSFOMER	0251822114	1	
34	SHOCK-PROOF GUN(LEFT)	0251500130	1	
35	SHOCK-PROOF GUN(RIGHT)	0251500040	1	

(2) CONTROL PANEL ASSEMBLY (Fig. 14.2)

NO.	DESCRIPTION	STOCK NO.	QTY	NOTE
1	CONTROL PANEL	0251200970	1	
2	POWER & TIMER KNOB	0251201610	2	
3	TIMER	0251812013	1	
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(3) DOOR ASSEMBLY (Fig. 14.3)

NO.	DESCRIPTION	STOCK NO.	QTY	NOTE
1	DOOR A	0251300760	1	
2	ORNAMENT PLATE	0251300370	1	
3	DOOR B ASSEMBLY	0251301000	1	
4	SHIELD FILM	0251300130	1	
5	UPPER HINGE ASSEMBLY	0251303000	1	
6	DOOR KEY LEVEL	0251300050	1	
7	DOOR UPPER KEY	0251300210	1	
8	DOOR LOWER KEY	0251300920	1	
9	HANDLE PIN	0251300030	2	
10	DOOR KEY SPRING	0251300930	1	
11	DOOR C	0251300081	1	



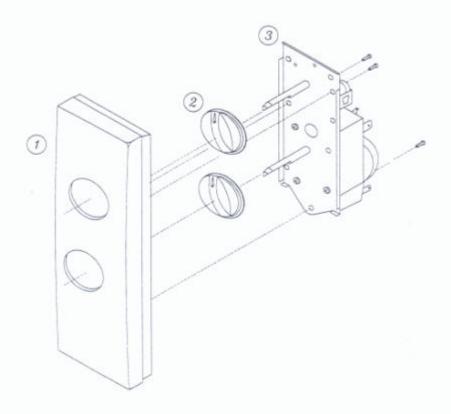


Fig. 14.2 CONTROL PANEL ASSEMBLY

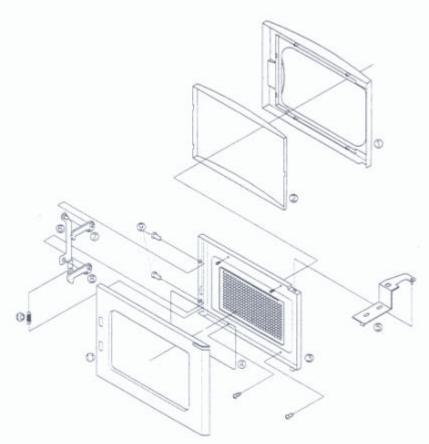


Fig. 14.3 DOOR ASSEMBLY