

OWNERS MANUAL

CM-1052T CM-1043T

COMMERCIAL MICROWAVE OVEN

1000 watts (CM-1052T)

1200 watts (CM-1043T)

Bonn

COMMERCIAL MICROWAVE OVEN

Using this Instruction Booklet

You have just purchased a Bonn microwave oven. Your Owner's Instructions contain valuable information on cooking with your microwave oven:

- Safety precautions
- Suitable accessories and cookware
- Useful cooking tips

At the front of the booklet you will find illustrations of the oven, and more importantly the control panel, so that you can find the buttons more easily.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

Failure to observe the following safety precautions may result in harmful exposure to microwave energy.

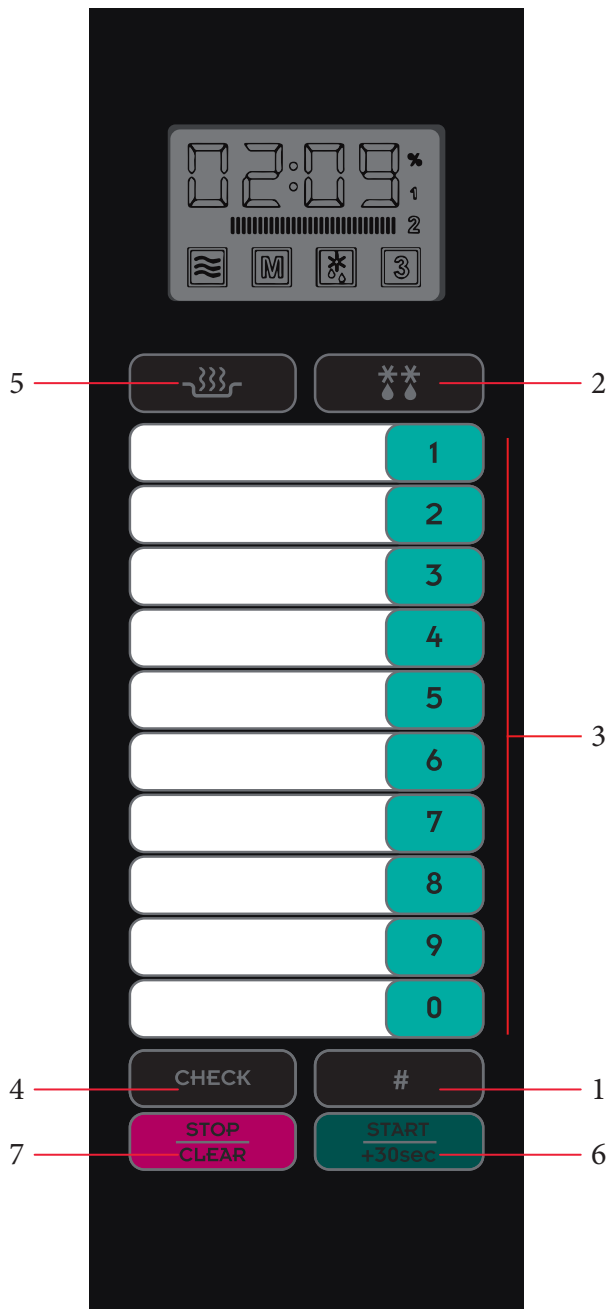
- (a) Under no circumstances should any attempt be made to operate the oven with the door open or to tamper with the safety interlocks (door latches) or to insert anything into the safety interlock holes.
- (b) Do not place any object between the oven door and front face or allow food or cleaner residues to accumulate on sealing surfaces. Ensure that the door and door sealing surfaces are kept clean by wiping after use first with a damp cloth and then with a soft dry cloth.
- (c) Do not operate the oven if it is damaged until it has been repaired by a qualified microwave service technician trained by the manufacturer. It is particularly important that the oven door closes properly and that there is no damage to the:
 - (1) Door (bent)
 - (2) Door hinges (broken or loose)
 - (3) door seals and sealing surfaces
- (d) The oven should not be adjusted or repaired by anyone other than a properly qualified microwave service technician trained by the manufacturer.

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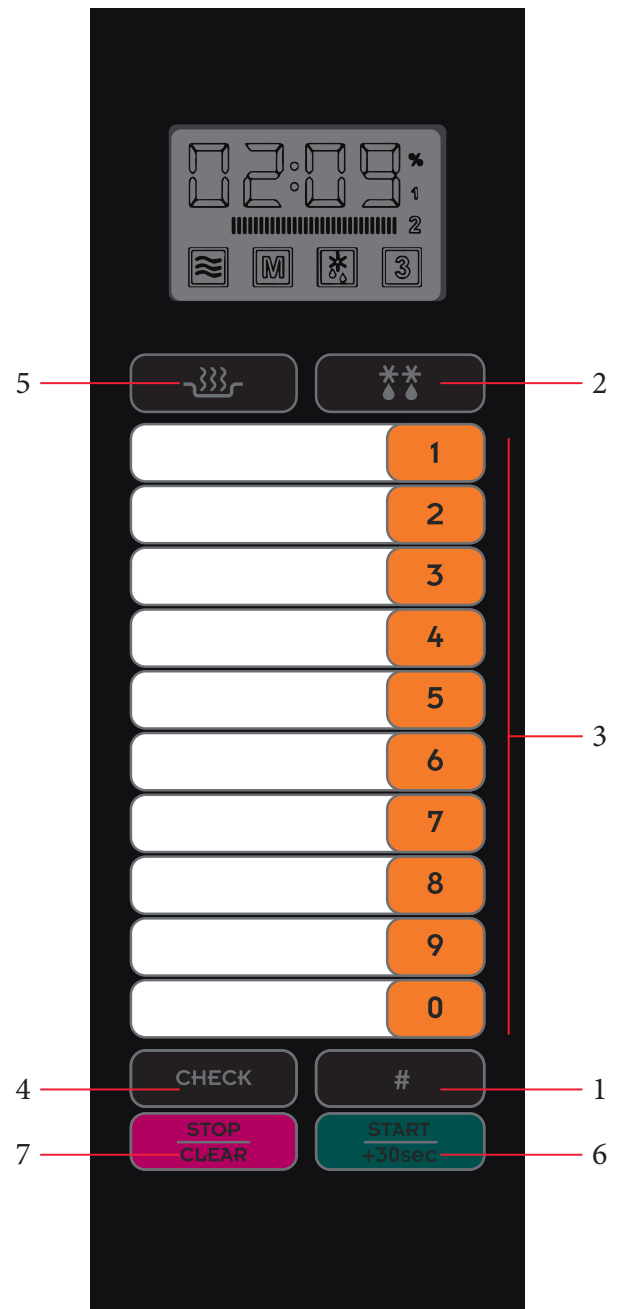
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FEATURES DIAGRAM

CM-1052T



CM-1043T



- 1 PROGRAM - Used to save cooking data.
- 2 DEFROST - Used to defrost foods for time.
- 3 TIME SET PAD - Used to set the cooking time.
- 4 CHECK - Used to check cooking data.
- 5 POWER - Used to set power level.

- 6 START /+30 SEC - Used to start the oven and also used to set a reheat time.
- 7 STOP/CLEAR - Used to stop the oven operation to delete the cooking data.

OPERATION PROCEDURE

This section includes useful information about oven operation.


1. Plug power supply cord into a standard 3- pronged 240V AC 50Hz power outlet.
2. After placing the food in a suitable container, open the oven door and put it on the plate tray.
3. Shut the door. Make sure that it is firmly closed.

1 The oven light is on when the microwave oven is operating or the door is opened

2 The oven door can be opened at any time during operation by opening the door. The oven will automatically shut off.

3 Each time a pad is touched, a BEEP will sound to acknowledge the touch.

4 The oven automatically cooks on full power unless set to a lower power level.

5 The display will show  (STANDBY indicator) when the oven is plugged in.

6 When the STOP/CLEAR pad is touched during the oven operation, the oven stops cooking and all information retained.

To erase all information, touch the STOP/CLEAR pad once more. If the oven door is opened during the oven operation, all information is retained.

7 If the START pad is touched and the oven does not operate, check the area between the door and door seal for obstructions and make sure the door is closed securely.

The oven will not start cooking until the door is completely closed or the program has been reset.

Make sure the oven is properly installed and plugged into the electrical outlet.

WATTAGE OUTPUT CHART

- The power-level is set by touching the POWER pad. The chart shows the display, the power level and the percentage of power.


Touch POWER pad	Power Level (Display)	Approximate Percentage of Power
once	100	100%
twice	80	80%
3 times	60	60%
4 times	40	40%

TIME DEFROSTING

When DEFROST is selected, the automatic cycle divides the defrosting time into periods of alternating defrost and stand times by cycling on and off.



1. Touch  pad

The DEFROST indicator lights and  (STANDBY indicator) is displayed.

2. Touch number pads for the desired defrosting time.

The display will show the numbers you pressed in the order you touched.


3. Touch START pad.

NOTE: Your oven can be programmed for up to 60 minutes (60:00)
DEFROST Power level is 30%

When you touch START pad, the DEFROST indicator lights to show the oven is in the DEFROST mode. The display counts down the time to show you how much defrosting time is left in the DEFROST mode. The oven beeps during the defrosting cycle to signal that the food needs to be turned or rearranged. When the defrosting time ends, you will hear 3 beeps.

COOKING IN ONE STAGE



1. Touch  pad.
(Select desired power level.)
2. Touch the number pads for the cooking time.

The MICROWAVE and % indicators light.
The display will show what you touched.
This example shows power level 60.
The display will show the numbers you pressed in the order you touched.

NOTE: Your oven can be programmed at full power (100%) for up to 10 minutes (10:00).

3. Touch START pad.
-

When you touch START pad, the MICROWAVE indicator lights to show the oven is cooking. The display counts down the time to show how much cooking time is left. When the cooking time ends, you will hear 3 beeps.

NOTE : Using lower power levels increases the cooking time which is recommended for foods such as cheese, milk and slow cooking of meats.

NOTE: The cooling fan may operate to prevent the oven being overheated.

MEMORY FUNCTION

This microwave oven has 10 programmable pads (1~10).

#

- | | |
|---|---|
| 1. Touch # pad. | The display will show “MEMOY”. |
| 2. Touch the number pads. ex)5 | The display will show “PROG-05”. |
| 3. Touch POWER pad. (Select desired power level.) | The MICROWAVE, % and Stage 1 indicators light. |
| 4. Touch the NUMBER pads for cooking time. | The display will show what you touched. |
| 5. Touch START pad to save cooking time and power level | The display will show “STAGE-2” and long beep sounds. |
| 6. Touch STOP/CLEAR pad. | When you touch STOP/CLEAR pad, MEMORY function ends. |

NOTE 1: For cooking in two or three stages, repeat step 3~5 once or twice, and the display will show “STAGE-2” or “STAGE-3”, STAGE-2 and STAGE-3 indicators will illuminate. Pressing START button will save cooking time and power level, "END" will be displayed.

NOTE 2: In the event of power loss to the oven, programmed cooking times may be deleted. Please follow instructions above to reprogram memory function.

After programming is finished, just touch the NUMBER pad of the memory number you want to select. Then 1.5 seconds, the oven automatically start cooking according to the pre-programmed cooking time and power level.

* Preprogrammed Cooking Times and Power Level

Pad	Cooking Time	Power Level
1	30 sec.	100 %
2	45 sec.	100 %
3	1 min.	100 %
4	1:30 min.	100 %
5	2 min.	100 %
6	3 min.	100 %
7	4 min.	100 %
8	6 min.	100 %
9	8 min.	100 %
10	10 min.	100 %

+30 SEC

+30 SEC allows you to reheat for 30 seconds at 100% (full power) by simply touching the +30 SEC pad.

By repeatedly touching the +30 SEC pad, you can also extend reheating time to 5 minutes by 30 second increments.



1. Touch +30 SEC pad.

When you touch +30 SEC, ":30" is displayed.

The oven will start immediately. It will add 30 seconds to the time counting down each time the pad is touched.

CHECK FUNCTION

This feature allows you to check the programmed cooking time and power level.



1. Touch CHECK pad.

The display will show "CHECK".

2. Touch the NUMBER pads which you want confirmation.
ex)5

The display will show "PROG-05".

The display will show cooking time, power level each stage.

If you want to end, touch STOP/CLEAR pad.

POWERSAVE FEATURE

The oven feature as an automatic power save function. At any time the oven is not in operation for more than 10 seconds the oven display will become blank. Opening the door or touching the keypad will re activate the display.

TO STOP THE OVEN WHILE THE OVEN IS OPERATING

1. Press STOP/CLEAR pad.

- You can restart the oven by touching START pad.
- Touch STOP/CLEAR once more to erase all instructions.
- You must enter in new instructions.

2. Open the door.

- You can restart the oven by closing the door and touching START.

NOTE: Oven stops operating when door is opened.

SAFETY PRECAUTIONS

IMPORTANT SAFETY INSTRUCTIONS READ CAREFULLY AND KEEP FOR FUTURE REFERENCE.

Before cooking food or liquids in your microwave oven, please check that the following safety precautions are taken.

WARNING:

If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person.

WARNING:

It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.

WARNING:

Liquids and other foods must not be heated in sealed containers since they are liable to explode.

WARNING:

Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container; To prevent this situation ALWAYS allow a standing time of at least 20 seconds after the oven has been switched off so that the temperature can equalize. Stir during heating, if necessary, and ALWAYS stir after heating. In the event of scalding, follow these FIRST AID instructions:

* Immerse the scalded area in cold water for at least 10 minutes.

* Cover with a clean, dry dressing.

* Do not apply any creams, oils or lotions.

WARNING:

The contents of feeding bottles and baby food jars must be stirred or shaken and the temperature checked before consumption, in order to avoid burns.

- Only use utensils that are suitable for use in microwave ovens;
DO NOT use any metallic containers, Dinnerware with gold or silver trimmings, Skewers, forks, etc.
Remove wire twist ties from paper or plastic bags.

Reason: Electric arcing or sparking may occur and may damage the oven.

- When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition.
Do not use your microwave oven to dry papers or clothes.
- Small amounts of food require shorter cooking or heating time.
If normal times are allowed they may overheat and burn.
- If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.

NEVER fill the container to the top and choose a container that is wider at the top than at the bottom to prevent the liquid from boiling over. Bottles with narrow necks may also explode if overheated.

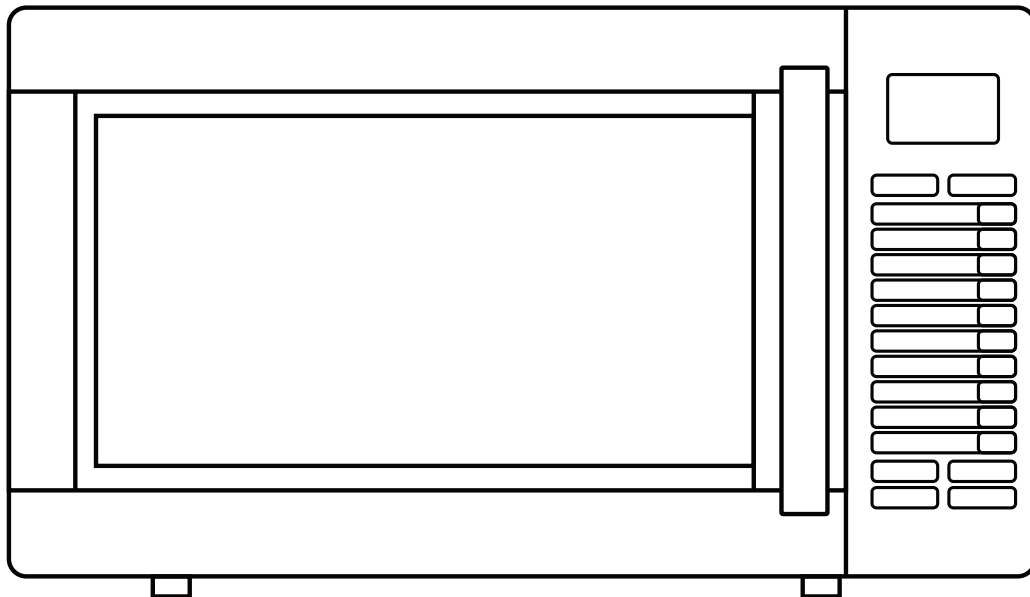
- **NEVER** heat a babys bottle with the teat on, as the bottle may explode if overheated.
- Eggs in their shell and whole hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended.
Also do not heat airtight or vacuum-sealed bottles, jars, containers, nuts in shells, tomatoes etc.
- The oven should be cleaned regularly and any food deposits removed.
- Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
- The appliance should not be cleaned with a water jet.
- **DO NOT** cover the ventilation slots with cloths or paper. They may catch fire as hot air is evacuated from the oven.
The oven may overheat and automatically switch itself off. It will remain inoperable until it has cooled sufficiently.
- **ALWAYS** use oven gloves when removing a dish from the oven to avoid unintentional burn.
- Do not immerse the power cable or plug in water and keep the power cable away from heated surfaces.
Do not operate this appliance if it has a damaged power cable or plug.
- Stand at arms length from the oven when opening the door.

Reason: The hot air or steam released may cause scalding.

- You may notice a Clicking sound during operation (especially when the oven is defrosting).

SPECIFICATIONS

Model	Bonn CM-1052T	Bonn CM-1043T
Power Input	230V/50Hz, 1560 watts	230V/50Hz, 1860 watts
Current Input	7.0 amps	8.5 amps
Power Output	1000 watts	1200 watts
Internal Cavity Dimensions	330(w)x330(d)x212(h)	330(w)x330(d)x212(h)
Oven Capacity	25 litres	25 litres
External Oven Dimensions	511(w)x382(d)x330(h)	511(w)x382(d)x330(h)
Net Weight	16.5kg	17.5kg



Warranty

This Bonn Commercial Microwave Oven is supplied with a 13 month back to base warranty from the date of purchase. This warranty covers the cost of parts for 13 months from the date of purchase. It also covers the cost of labour for the first 13 months from date of purchase. The conditions of this warranty are subject to the terms and conditions set out below.

Any service claimed under warranty must be done with full proof of purchase including serial number. Failure to do so will incur service costs to the purchaser.

Terms and Conditions

1. PURCHASER'S STATUTORY RIGHT

The warranty terms set out below do not exclude any conditions or warranties which may be mandatory implied by law, and your attention is drawn to the provisions of the Trade Practices Act 1974 and State Legislation which confers certain rights on consumers.

2. WARRANTY

(A) BACK TO BASE 13 MONTHS PARTS AND 13 MONTHS LABOUR WARRANTY

FSM (Food Service Machinery) Pty Ltd warrants to the original purchaser of this commercial microwave oven that for a period of 13 months from date of purchase, any component found by FSM (Food Service Machinery) Pty Ltd to be defective will be replaced by FSM (Food Service Machinery) Pty Ltd without charge for parts. For a period of 13 months from the date of purchase, such components will be replaced without charge for labour. This warranty is given on the condition that all service is to be performed by FSM (Food Service Machinery) Pty Ltd or by a service agent authorised by FSM (Food Service Machinery) Pty Ltd to service the commercial microwave oven.

(B) EXCLUSIONS

The warranty set forth in paragraph 2(A) should not apply:

- i. To any defect or failure which, upon inspection by FSM (Food Service Machinery) Pty Ltd or its authorised service agent, is attributable to accident, misuse, abuse, negligence, alteration, non-observance of operating instructions or local regulations, improper installation, inadequate or faulty power supply, damage during transit and/or delivery, fire, flood, riot or any act of God, normal wear and tear, in particular to but not restricted to Stirrer Covers, Ceramic Bases, Lamps, Door Assemblies and Cavities.
- ii. If the equipment has been serviced by a person not authorised by FSM (Food Service Machinery) Pty Ltd or with parts not approved by FSM (Food Service Machinery) Pty Ltd.
- iii. If Serial Number plate is removed or defaced.
- iv. To any costs related to operator instructions, correction of program errors, interior or exterior finishes attributable to a manufacturing fault, routine maintenance or cleaning.
- v. To loose accessories.
- vi. If the equipment is repossessed under any financing agreement.
- vii. If the equipment is used outside Australia without the prior written approval of FSM (Food Service Machinery) Pty Ltd.

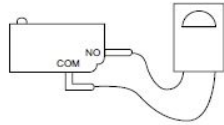


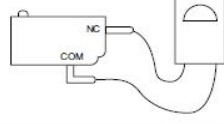


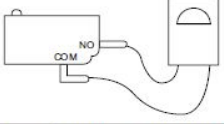


3. All claims under this warranty should be directed to the FSM (Food Service Machinery) Pty Ltd website at www.fsm-pl.com.au and the "Book A Service" form filled in and sent to us.

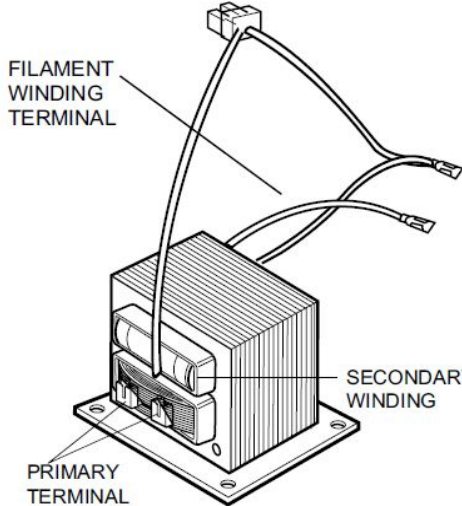
4. Subject to the purchaser's statutory rights referred to in Clause 1, FSM (Food Service Machinery) Pty Ltd reserves the right to charge for any service not covered by the company warranty.

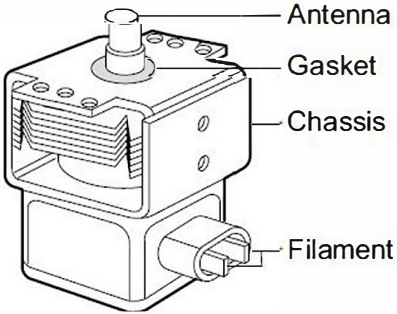
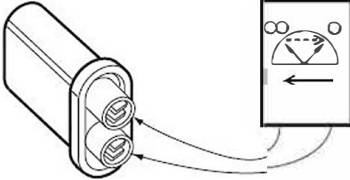
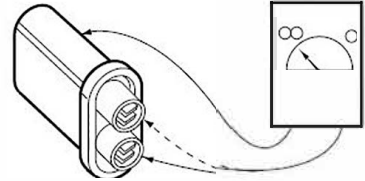
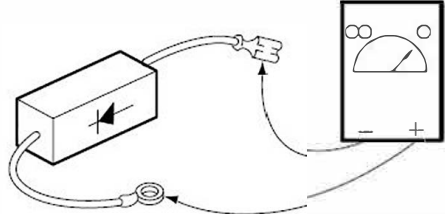
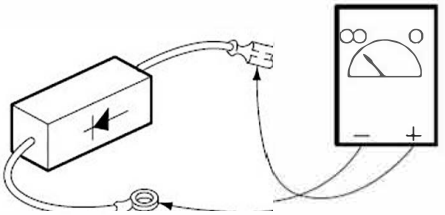
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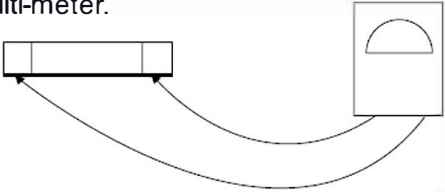

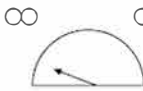
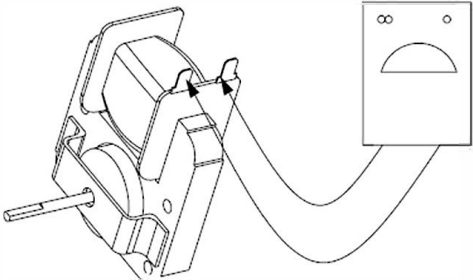
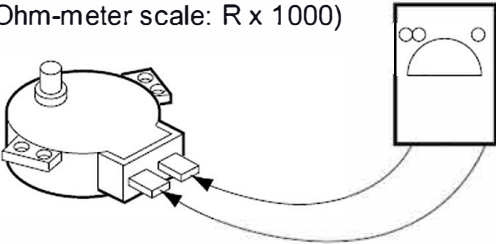
- Read the operating manual before operating your microwave oven. Familiarize your staff with oven operation before placing in service.
- Should you require service under warranty, please consult the instruction book before you call for service as service call for non-equipment failure or instruction on use may result in a service labour charge for your account.

TESTING INDIVIDUAL COMPONENTS

COMPONENTS	TEST PROCEDURE		RESULTS	
INTERLOCK SWITCHES (Wire leads removed)	Check for continuity of the switch with an Ohm-meter		Door open	Door closed
	Primary Switch			
	Monitor Switch			
	Secondary Switch			
NOTE : After checking for the continuity of switches, make sure that are correctly connected.				

COMPONENTS	TEST PROCEDURE	RESULTS
HIGH VOLTAGE TRANSFORMER (Wire leads removed)	 <ol style="list-style-type: none"> 1. Measure the resistance. (Ohm-meter scale: Rx1) <ul style="list-style-type: none"> • Primary winding • Secondary winding • Filament winding 2. Measure the resistance. (Ohm-meter scale: Rx1000) <ul style="list-style-type: none"> • Primary winding to ground • Filament winding to ground 	<p>Approx.: 1.5 ohm Approx.: 100 ohm Less than: 1 ohm</p> <p>Normal: Infinite Normal: Infinite</p>
MAGNETRON (Wire leads removed)	<ol style="list-style-type: none"> 1. Measure the resistance. (Ohm-meter scale: Rx1) <ul style="list-style-type: none"> • Filament terminal 2. Measure the resistance. (Ohm-meter scale: Rx1000) <ul style="list-style-type: none"> • Filament to chassis 	<p>Normal: Less than 1 ohm</p> <p>Normal: Infinite</p>

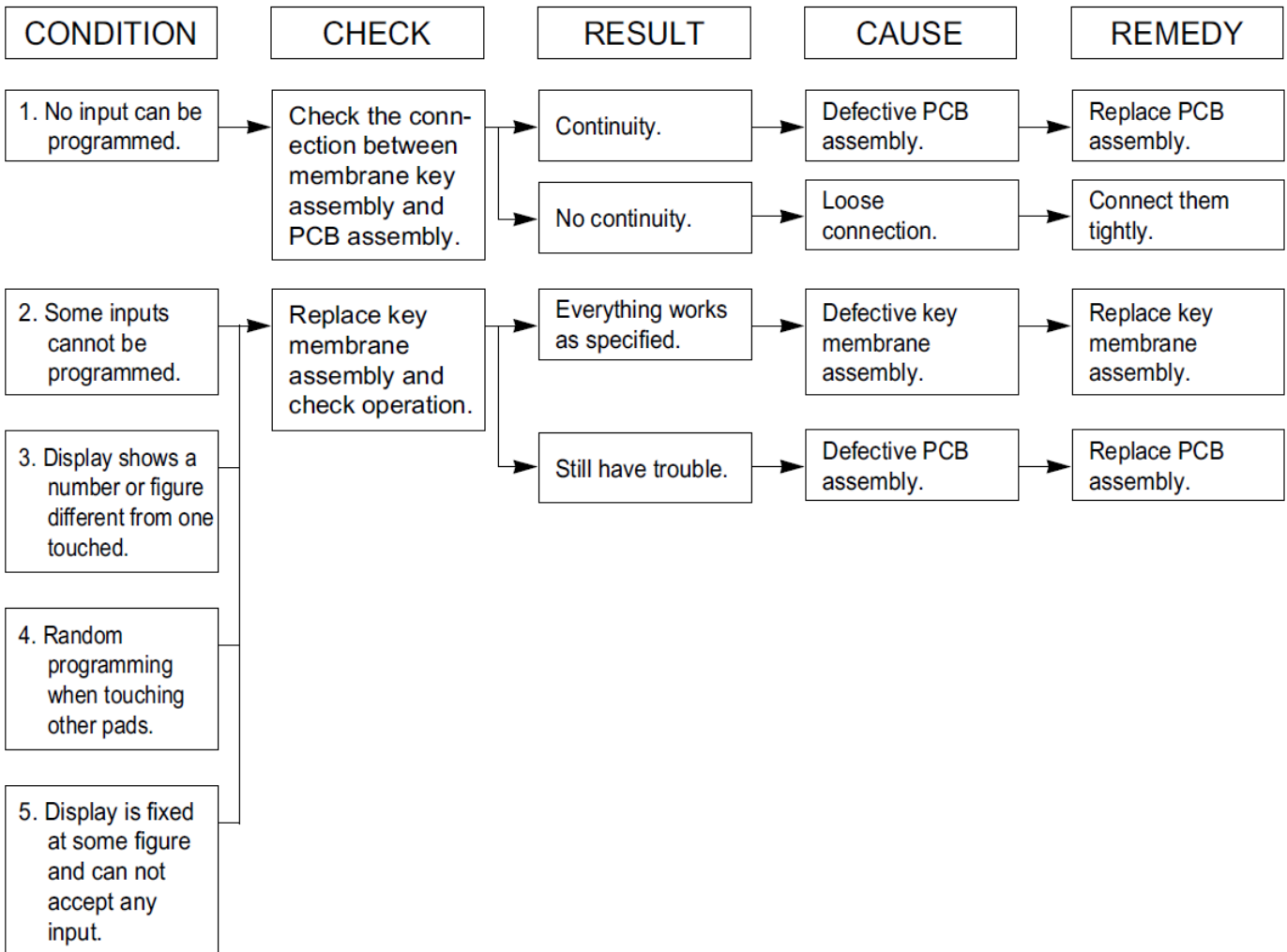
COMPONENTS	TEST PROCEDURE	RESULTS
	 <p>NOTE: When testing the magnetron, be sure to install the magnetron gasket in the correct position and be sure that the gasket is in good condition.</p>	
HIGH VOLTAGE CAPACITOR	<p>Measure the resistance. (Ohm-meter scale: Rx1000) • Terminal to terminal.</p> 	Normal: Momentarily indicates several ohms, and then gradually returns to 10M ohms.
	<p>Measure the resistance. (Ohm-meter scale: Rx1000) • Terminal to case.</p> 	Normal: ∞
HIGH VOLTAGE DIODE	<p>Measure the continuity (Forward). (Ohm-meter scale: Rx10000)</p> 	Normal: Continuity. Abnormal: ∞ *
*NOTE : Some inexpensive meters may indicate infinite resistance in both direction.	<p>Measure the continuity (Reverse). (Ohm-meter scale: Rx10000)</p> 	Normal: ∞ Abnormal: Continuity.

COMPONENTS	TEST PROCEDURE	RESULTS	
<p>FUSE</p>	<p>Check for continuity of the fuse with an multi-meter.</p> 	<p>Normal</p>	<p>Abnormal</p>
<p>NOTE: If the fuse is blown, check the primary, the secondary, and the monitor switches, H.V.D. and H.V.C. before replacing the fuse. If the fuse is blown by improper switch operation replace the defective switch and the fuse at the same time. Replace just the fuse if the switches operate normally.</p>			
<p>FAN MOTOR (Wire leads removed)</p>	<p>Measure the resistance. (Ohm-meter scale: R x 1)</p> 	<p>Normal: 100~400 Ω Abnormal: ∞ or several Ω</p>	
<p>ANTENNA MOTOR (Wire leads removed)</p>	<p>Measure the resistance. (Ohm-meter scale: R x 1000)</p> 	<p>Normal: Approx. 16 KΩ Abnormal: ∞ or several Ω</p>	
<p>NOTE : • A MICROWAVE LEAKAGE TEST MUST ALWAYS BE PERFORMED WHEN THE UNIT IS SERVICED FOR ANY REASON. • MAKE SURE THE WIRE LEADS ARE IN THE CORRECT POSITION. • WHEN REMOVING THE WIRE LEADS FROM THE PARTS, BE SURE TO GRASP THE CONNECTOR, NOT THE WIRES.</p>			

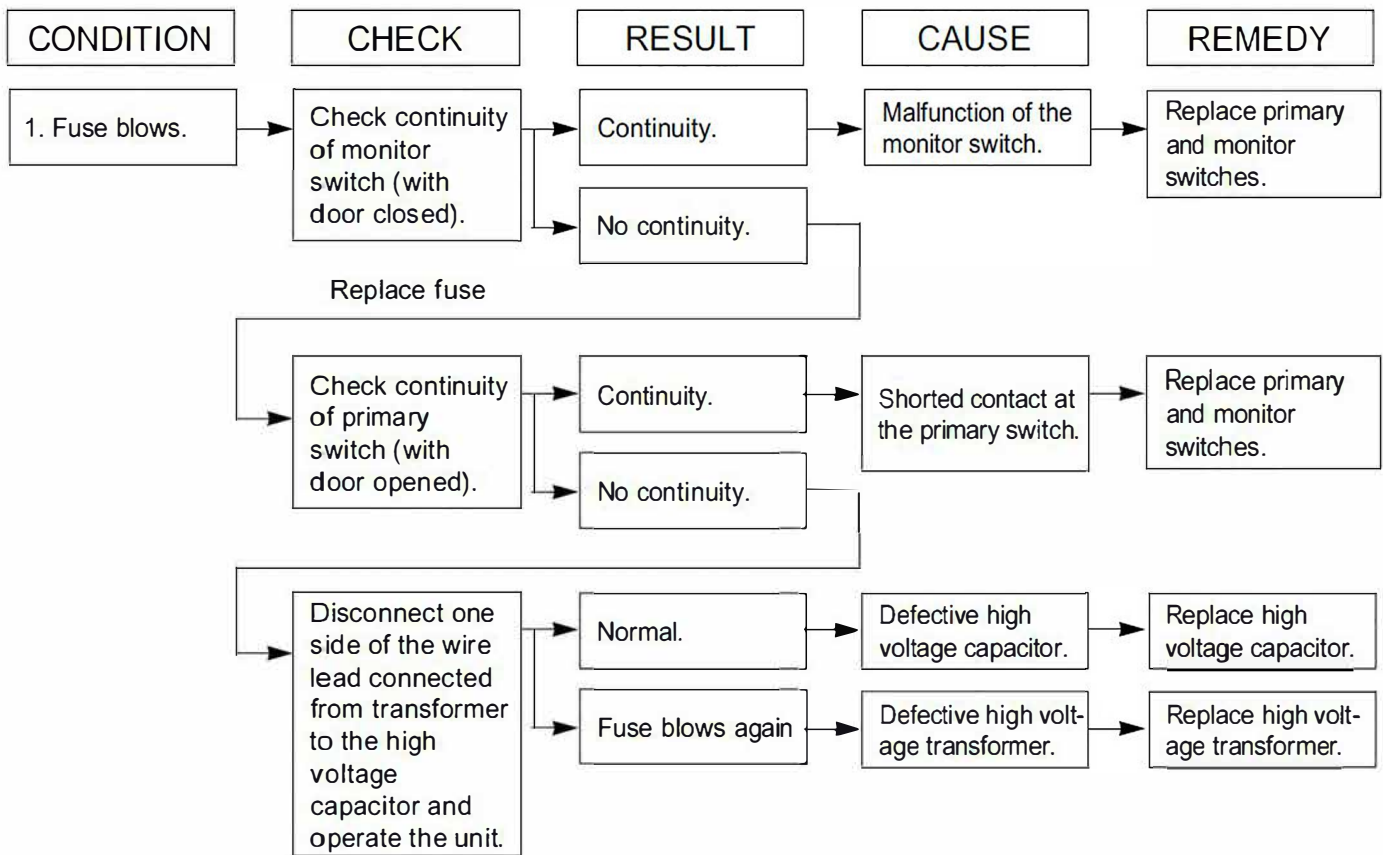
TROUBLE SHOOTING

(TROUBLE 1) The following visual conditions indicate a probable defective control circuit.

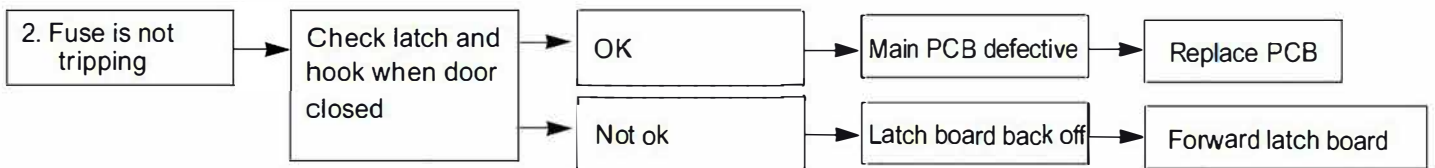
1. Incomplete segments.
 - Segment missing.
 - Partial segment missing.
 - Digit flickering (NOTE: Slight flickering is normal.)
2. Colon does not turn on or blink.
3. A distinct change in the brightness of one or more numbers in display.
4. One or more digits in the display are not lighting.
5. Display indicates a number different from one touched, for example, key in 5 and 3 appears in the display.
6. Specific numbers (for example 7 or 9) will not display when key pad is touched.
7. Display does not count down with time blinking or up with clock operation.
8. Display obviously jumps in time while counting down.
9. Display counts down too fast while cooking.
10. Each indicator light does not turn on after setting cooking cycle.
11. Display time of day does not reappear when cooking is finished.
12. Beep sound is not heard when correct key is touched.



(TROUBLE 2) Oven does not operate at all ; Display window does not display any figures and no input is accepted.



NOTE : All these switches must be replaced at the same time.



(TROUBLE 3) Display shows all figures set, but oven does not start cooking while desired program times are set and START pad is touched.

CONDITION	CHECK	RESULT	CAUSE	REMEDY
1. Setting time does not count down when touching START pad.	Check continuity of secondary switch (with door closed).	No continuity.	Defective secondary switch.	Replace secondary switch.
		continuity.		
2. Fan motor or oven lamp do not turn on.	Check the connection between connector and P.C.B assembly.	No continuity.	Defective P.C.B assembly.	Replace P.C.B assembly.
		Continuity.	Loose connection.	Connection then tightly.
	Check fan motor.	Abnormal.	Defective fan motor.	Replace fan motor.
		Check oven lamp.	Abnormal.	Defective oven lamp.
	Normal.			

(TROUBLE 4) Oven seems to be operation but output power is low.

CONDITION	CHECK	RESULT	CAUSE	REMEDY
Output is low.	Check the power source voltage.	Lower than 90% of rating voltage.	Decrease in power source voltage with load.	Suggest customer contact local electric power utility co. or qualified electrician.
		Normal.		
	Disconnect the wire leads from relay 2 and check on and off time with multimeter.	Abnormal.	Defective P.C.B assembly.	Replace P.C.B assembly.
		Normal.		
	Measure the output power.	Abnormal.	Defective magnetron.	Replace magnetron.

CONTACT

For additional information and details of your nearest service agent authorised by FSM contact:

FSM (Food Service Machinery) Pty Ltd

21-23 Agosta Drive

Laverton North

VIC 3026 Australia

Phone (03) 9368 2300

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