Dongbu Daewoo Electronics

S/M No. :

Service Manual

Microwave Oven

Model: KOR6607WWSU013UW00

✔ **Caution**

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (http://svc.dwe.co.kr).

Dongbu Daewoo Electronics

Oct. 2016

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 micro-wave 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 gen-erating compartments, check the magnetron, wave guide or transmission line, and cavity for proper align-ment, 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 per-formed on each oven prior to release to the owner.

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PROPER USE AND SERVICE PRECAUTIONS

CAUTION

This device is to be Serviced only by Properly Qualified Service Personel. Consult the Service Manual for Proper Service Procedures to Assure Continued Safety Operation and for Precautions to be Taken to Avoid Possible Exposure to Excessive Microwave Energy.

1. FOR SAFE OPERATION

Damage that allows the microwave energy (that cooks or heats the food) to escape will result in poor cooking and may cause serious bodily injury to the operator.

IF ANY OF THE FOLLOWING CONDITIONS EXIST, OPERATOR MUST NOT USE THE APPLIANCE.

(Only a trained service personnel should make repairs.)

(1) A broken door hinge.
(2) A broken door viewing screen.
(3) A broken front panel, oven cavity.
(4) A loosened door lock.
(5) A broken door lock.

The door gasket plate and oven cavity surface should be kept clean.

No grease, soil or spatter should be allowed to build up on these surfaces or inside the oven.

DO NOT ATTEMPT TO OPERATE THIS APPLIANCE WITH THE DOOR OPEN.

The microwave oven has concealed switches to make sure the power is turned off when the door is opened.

Do not attempt to defeat them.

DO NOT ATTEMPT TO SERVICE THIS APPLIANCE UNTIL YOU HAVE READ THIS SERVICE MANUAL.

2. FOR SAFE SERVICE PROCEDURES

1. If the oven is operative prior to servicing, a microwave emission check should be performed prior to servicing the oven.
2. If any certified oven unit is found to have excessive emission level 5mW/cm², the service person should;
   (a) inform the manufacturer, importer or assembler,
   (b) repair the unit at no cost to the owner,
   (c) attempt to ascertain the cause of the excessive leakage,
   (d) tell the owner of the unit not to use the unit until the oven has been brought into compliance.
3. If the oven operates with the door open, the service person should tell the user not to operate the oven and contact the manufacturer and CDRH immediately.

CAUTION

MICROWAVE RADIATION

PERSONNEL SHOULD NOT BE EXPOSED TO THE MICROWAVE ENERGY WHICH MAY RADIATE FROM THE MAGNETRON OR OTHER MICROWAVE GENERATING DEVICE IF IT IS IMPROPERLY USED OR CONNECTED. ALL INPUT AND OUTPUT MICROWAVE CONNECTIONS. WAVEGUIDE FLANGES AND PASKETS MUST BE SECURE. NEVER OPERATE THE DEVICE WITHOUT A MICROWAVE ENERGY ABSORBING LOAD ATTACHED. NEVER LOOK INTO AN OPEN SAVEGUIDE OR ANTENNA WHILE THE DEVICE IS ENERGIZED.

SPECIFICATIONS

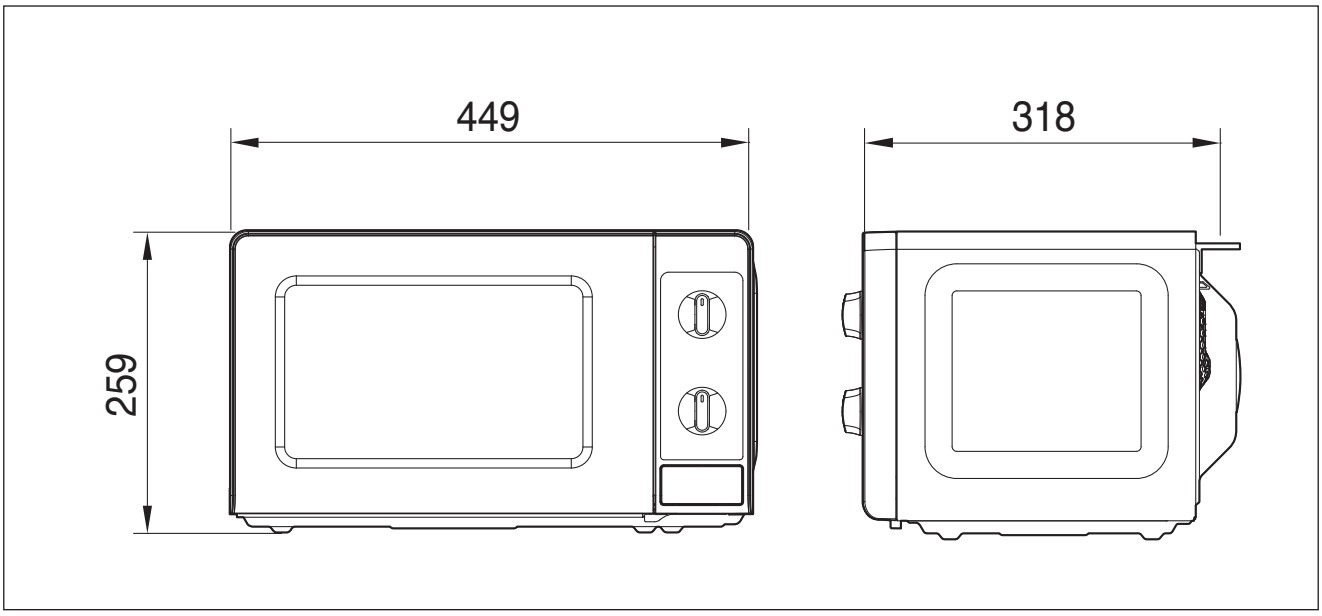
POWER SUPPLY		220V AC, 50Hz SINGLE PHASE WITH GROUNDING
MICROWAVE	INPUT POWER	1150 W
	ENERGY OUTPUT	700 W
	FREQUENCY	2,450MHz
OUTSIDE DIMENSIONS (W x H x D)		449 X 259 X 318 mm
CAVITY DIMENSIONS (W x H x D)		307 X 210 X 304 mm
CAVITY VOLUME		20 L
NET WEIGHT		APPROX. 9.7 Kg
TIMER		35min. DUAL SPEED
POWER SELECTIONS		7 Levels

** Specifications are subject to change without notice.*

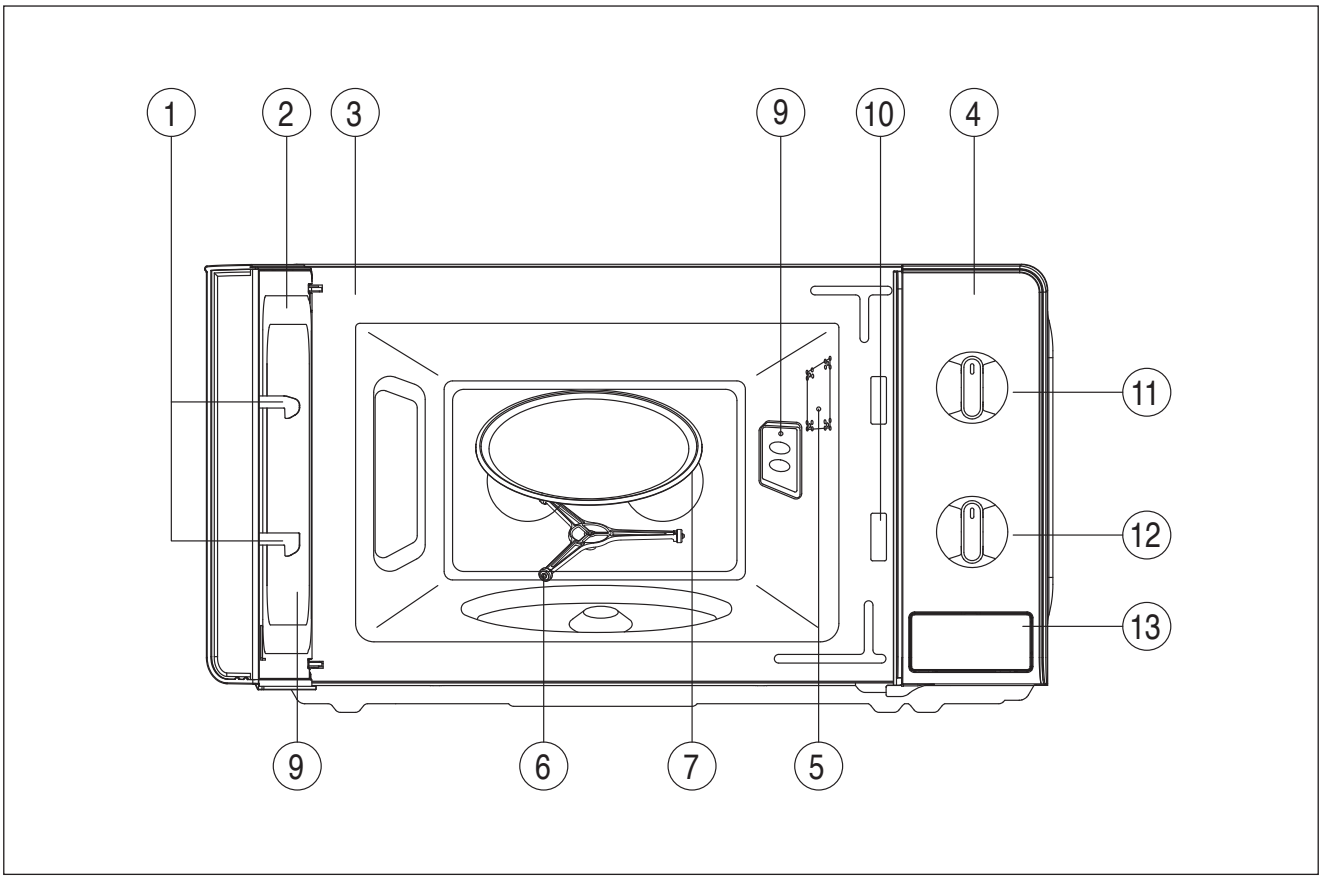
EXTERNAL VIEW

1. OUTER DIMENSION

UNIT : mm



2. FEATURES DIAGRAM



① **Door latch -** When the door is closed, it will automatically shut off. If the door is opened while the oven is operating, the magnetron will automatically shut off.

② **Door seal -** The door seal surfaces prevent microwaves escaping from the oven cavity.

③ **Oven cavity**

④ **Control panel**

⑤ **Oven lamp -** Automatically turns on during oven operating.

⑥ **Roller guide -** This must always be used for cooking together with the glass cooking tray.

⑦ **Glass cooking tray -** Made of special heat resistant glass. The tray must always be in proper position before operating. Do not cook food directly on the tray.

⑧ **Viewing screen -** Allows viewing of food. The screen is designed so that light can pass through, but not the microwave.

⑨ **Waveguide cover -** Protects the microwave outlet from splashes of cooking foods.

⑩ **Safety interlock system**

⑪ **Variable power control knob -** Used to select a microwave power level.

⑫ **Timer knob -** Used in setting cooking time for all functions.

⑬ **Door open button -** To open the door push the door open button.

INSTALLATION

1. Steady, flat location

This microwave oven should be set on a steady, flat surface.

This microwave oven is designed for counter top use only.

2. Leave space behind and side

All air vents should be kept a clearance. If all vents are covered during operation, the oven may overheat and, eventually, cause failure.

3. Away from radio, and TV sets

Poor television reception and radio interference may result if the oven is located close to a TV, radio, antenna, or feeder and so on. Position the oven as far from them as possible.

4. Away from heating appliances and water taps

Keep the oven away from hot air, steam and splash when choosing a place to position it, or the insulation might be adversely affected and breakdowns occur.

5. Power supply

- Check your local power source.

  This microwave oven requires a current of approximately 6 amperes, 220 Volts, 50 Hz.
- Power supply cord is about 0.8 meters long.
- Used the voltage must be the same as specified on this oven. Using a higher voltage may result in a fire or other accident causing oven damage. Using low voltage will cause slow cooking. We are not responsible for damage resulting from use of this oven with a voltage of ampere fuse other than those specified.
- This appliance is supplied with cable of special type, which, if damaged, must be repaired with cable of same type.

  Such a cable can be purchased from DAEWOO and must be installed by a qualified person.

6. Examine the oven after unpacking for any damage such as:

A misaligned door, broken door or a dent in cavity.

If any of the above are visible, DO NOT INSTALL, and notify dealer immediately.

7. Do not operate the oven if it is colder than room temperature

(This may occur during delivery in cold weather.) Allow the oven to become room temperature before operating.

EARTHING INSTRUCTIONS

This appliance must be earthed. In the event of an electrical short circuit, earthing reduces the risk of the electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a earthing plug. The plug must be plugged into an outlet that is properly installed and earthed.

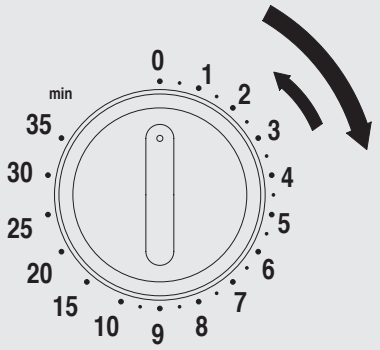
WARNING

Improper use of the earthing plug can result in a risk of electric shock. Consult a qualified electrician or service-man if the earthing instructions are not completely understood, or if doubt exists as to whether the appliance is properly earthed, and either : If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade earthing plug, and a 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance, or DO NOT USE an extension cord.

OPERATIONS AND FUNCTIONS

1. Connect the mains lead to an electrical outlet.
2. After placing the food in a suitable container, open the oven door and put it on the glass tray. The glass tray must always be in place during cooking.
3. Close the door securely.
4. Choose cooking power level by setting V.P.C knob to the desired position. Refer to cookbook for recommended power levels.
5. Determine cooking time. Consult cookbook for recipe timing. Oven light turns on and cooling fan starts to operate. Microwave cooking starts.
6. You may open the door while the oven is operating. As soon as the door is opened, the safety mechanisms stop the generation of microwave power and the operation of cooking timer. If you wish to change the time during cooking, simply adjust the timer to the desired time.
7. When the timer reaches zero, a bell will ring and the unit will turn off. Oven light turns off. If additional cooking time is needed and the door is closed, the oven will automatically start when the timer is reset.

NOTE
When setting timer for less than 10 minutes, turn the timer past 10 minutes and then return to the correct timer setting.



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

Variable power cooking
ON and OFF cycle time of mechanical V.P.C switch is 30 seconds.
When the V.P.C knob is set to the desired position and timer knob to the desired position, the V.P.C switch has a cycle (ON/OFF time(sec.)) listed below.

Variable power setting Power level	Approximate Percentage of Power
High	100%
Medium high	86%
Medium	72%
Low stage	56%
Defrost	38%
Heat	26%
Gentle heating	16%

DISASSEMBLY AND ASSEMBLY

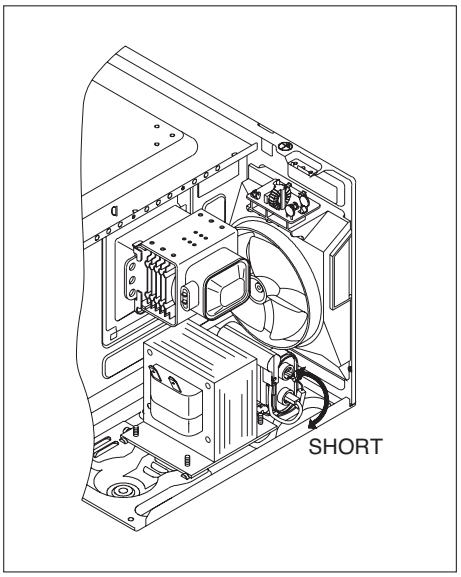
Cautions to be observed when trouble shooting.

Unlike many other appliances, the microwave oven is high-voltage, high-current equipment.
It is completely safe during normal operation.
However, carelessness in servicing the oven can result in an electric shock or possible danger from a short circuit.
You are asked to observe the following precautions carefully.

1. Always remove the power plug from the outlet before servicing.
2. Use an insulated screwdriver and ware rubber gloves when servicing the high voltage side.
3. Discharge the high voltage capacitor before touching any oven components or wiring.

(1) Check the grounding.
Do not operate on a two-wire extension cord.
The microwave oven is designed to be used while earthed.
It is imperative, therefore, to make sure it is earthed properly before beginning repair work.

(2) Warning about the electric charge in the high voltage capacitor.
For about 30 seconds after the operation stopped and electric charge remains in the high voltage capacitor.
When replacing or checking parts, short between oven chassis and the negative high terminal of the high voltage capacitor by using a properly insulated screwdriver to discharge.



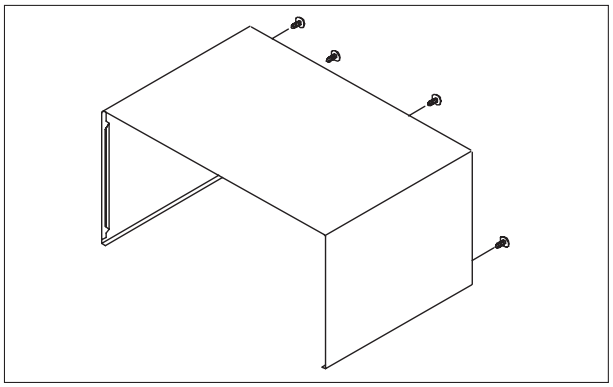
4. When the fuse is blown out due to the operation of the monitor switch; replace primary interlock switch, secondary interlock switch and interlock monitor switch.
5. After repair or replacement of parts, make sure that the screws are properly tightened, and all electrical connections are tightened.
6. Do not operate without cabinet.

CAUTION : Service personnel should remove their watches whenever working close to or replacing the magnetron.

WARNING : When servicing the appliance, need a care of touching or replacing high potential parts because of electrical shock or exposing microwave. These parts are as follows - HV Transformer, Magnetron, HV Capacitor, HV Diode, HV fuse.

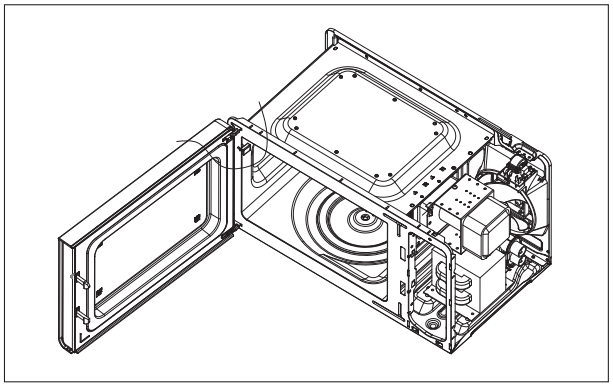
1. To remove cabinet

1) Remove four screws on cabinet back.
2) Pull the cabinet backward.

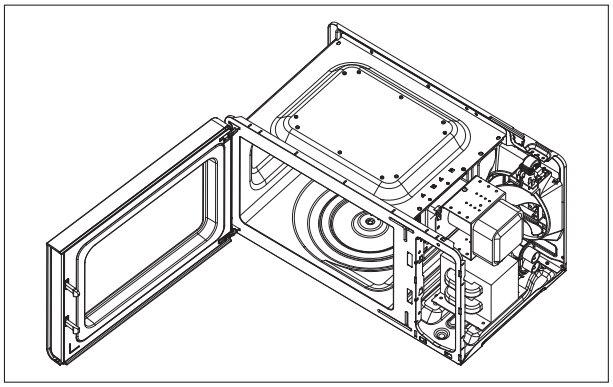


2. To remove door assembly

1) Remove the 'STOPPER DOOR' from the door assembly.

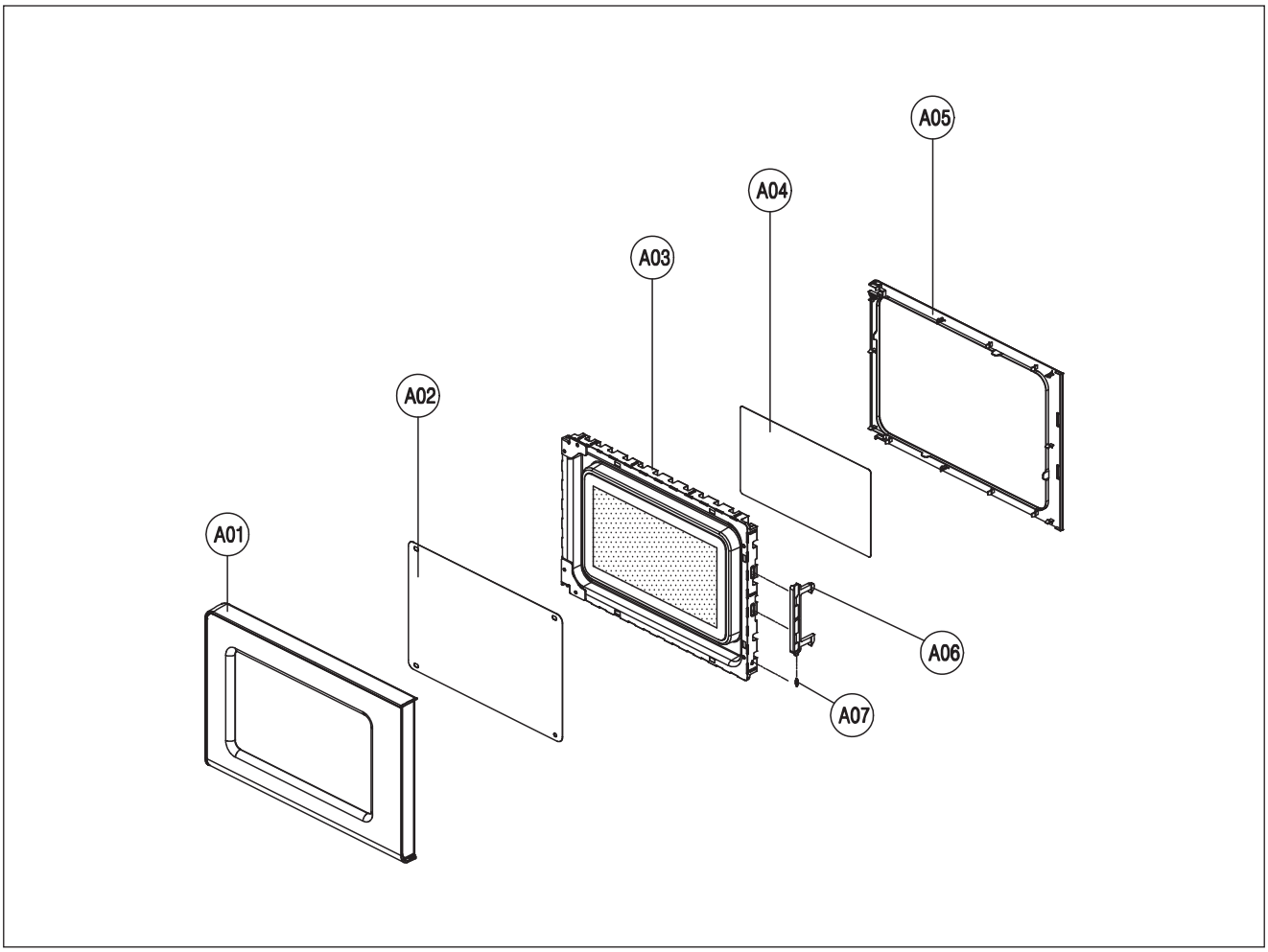


2) Open the door assembly at a right angle.
3) Reverse the above for reassembly.



NOTE : After replacing the door assembly, perform a check of correct alignment with the hinge and cavity front plate.

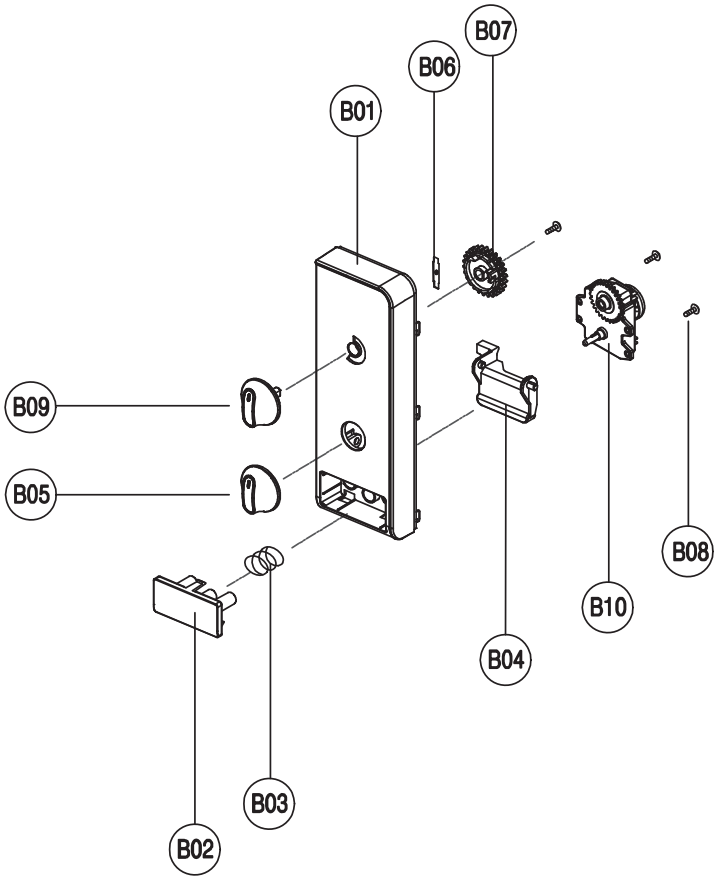
3. To remove door parts.



NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
A01	35122-0016300-00	FRAME DOOR	ABS SG-0760D SG-175 WHITE KOR660B	1	
A02	35170-0020900-00	BARRIER-SCREEN *O	PETP T0.125 KOR660B	1	
A03	35117-0043700-00	DOOR PAINTING AS	KOR660B BLACK	1	
A04	35170-0021000-00	BARRIER-SCREEN *I	PETP T0.1 KOR660B	1	
A05	35123-0002600-00	GASKET DOOR	PP J-640A, BLACK, KOR660B	1	
A06	3513102200	HOOK	POM	1	
A07	3515101300	SPRING HOOK	PW-1	1	

1) Remove the gasket door from the door painting as.
2) Remove the barrier screen inner from the door painting as.
3) Remove the frame door from the door painting as.
4) Remove the stopper hinge top as from the door painting as.
5) Remove the spring hook and the hook from the door painting as.
6) Remove the barrier screen outer from the frame door.
7) Reverse the above steps for reassembly.

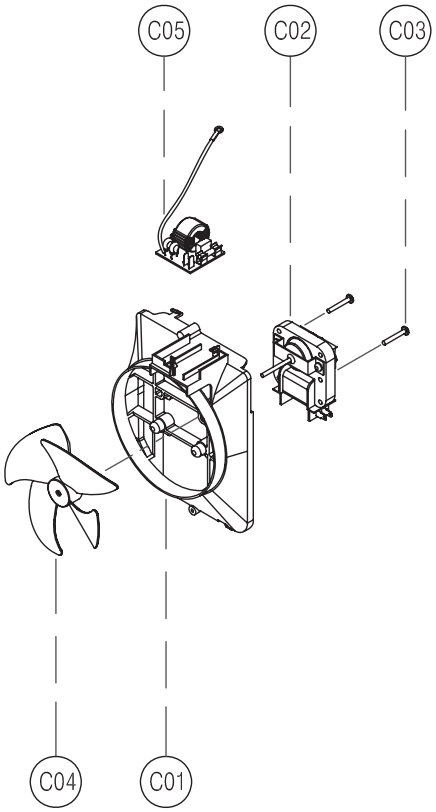
4. To remove control panel parts.



NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
B01	35167-0086800-00	CONTROL PANEL	ABS SG-0760D SG-175, WHITE, KOR6607	1	
B02	35169-0025000-00	BUTTON DOOR OPEN	ABS SG-0760D SG-175, WHITE, KOR660B	1	
B03	441G430171	SPRING DOOR BUTTON	SWP DIA. 0.7	1	
B04	35137-0002600-00	LEVER DOOR OPEN	PP 5113MF6, KOR660B	1	
B05	35134-0012100-00	KNOB VPC	ABS SG-0760D SG-175, WHITE, KOR6607	1	
B06	3515101600	SPRING FLAT	SUS 301 T0.5	1	
B07	3517402150	COUPLER	POM	1	
B08	3518570400	SWITCH S/A RELAY	DWSR-1	1	
B09	7122401211	SCREW TAPPING	T2S TRS 4*12 MFZN	4	
B10	35134-0012200-00	KNOB	ABS SG-0760D SG-175, WHITE, KOR6607	1	
B11	30281F0300	TIMER	VFD35M106IIE DY2	1	

1) Remove the screw which secure the control panel and draw forward the control panel assembly.
2) Remove two screws which secure the timer assembly.
3) Pull out the timer assembly from the control panel.
4) Pull out the timer knob from the timer.
5) Remove the screw which secure the coupler.
6) Pull out the coupler and V.P.C knob from the control panel.
7) Reverse the above steps for reassembly.

5. To remove guide wind parts.

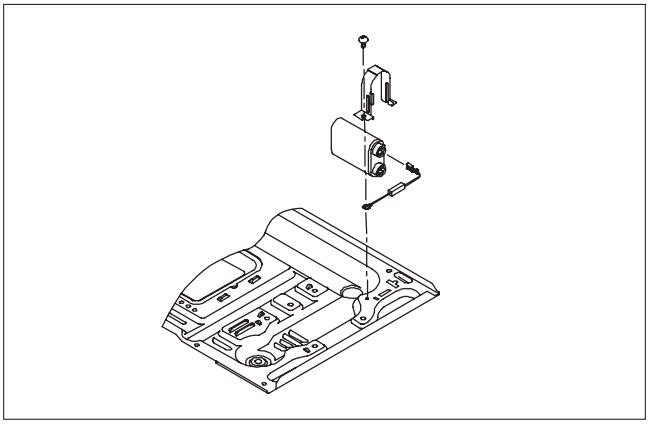


REF. NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
C01	3512530410	GUIDE WIND	PP	1	
C02	3963514400	MOTOR SHADED POLE	230V 50HZ OEM-10DWC2-B07 (A)	1	
C03	7121402511	SCREW TAPPING	T2S PAN 4X25 MFZN	2	
C04	3511800300	FAN	PP+30%GLASS	1	
C05	3518608700	NOISE-FILTER	DWLF-M12 E	1	

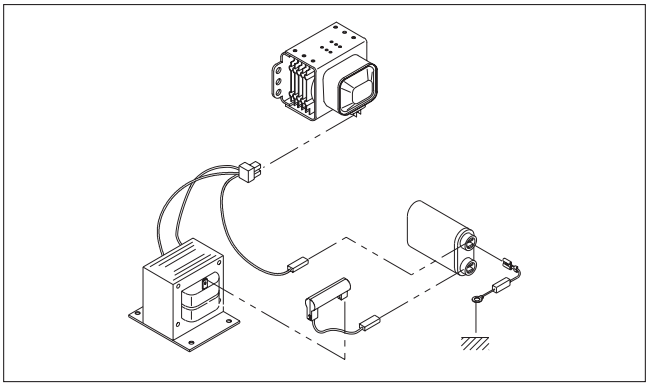
1) Remove two screws for earthing and for fixing to rear-plate.
2) Remove the noise filter from the guide wind.
3) Pull the fan from the motor shaft.
4) Remove two screws which secure the motor shaded pole.
5) Remove the motor shaded pole.
6) Reverse the above steps for reassembly.

6. To remove high voltage capacitor.

1) Remove the screw which secure the grounding ring terminal of the H.V. diode and the capacitor holder.
2) Remove the H.V. diode from the capacitor holder.
3) Reverse the above steps for reassembly.

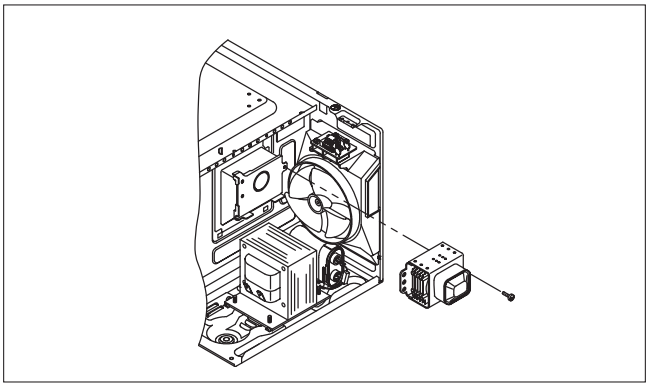


◆ High voltage circuit wiring

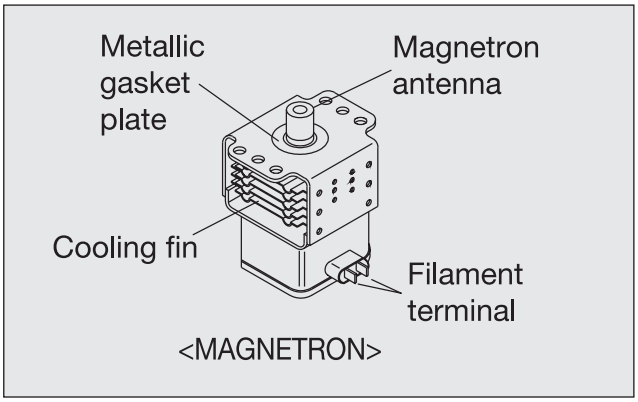


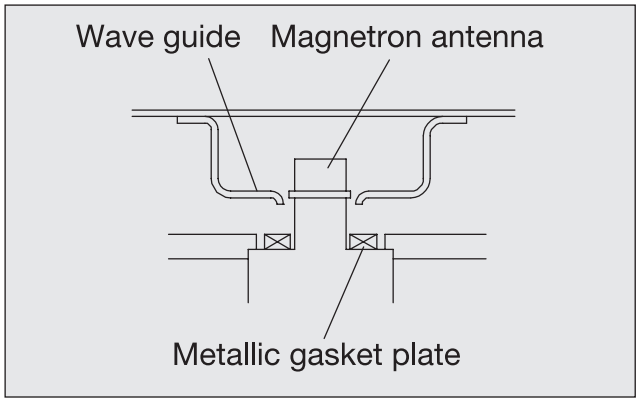
7. To remove magnetron.

1) Remove the screw which secure the magnetron.
2) Remove the magnetron.
3) Reverse the above steps for reassembly.



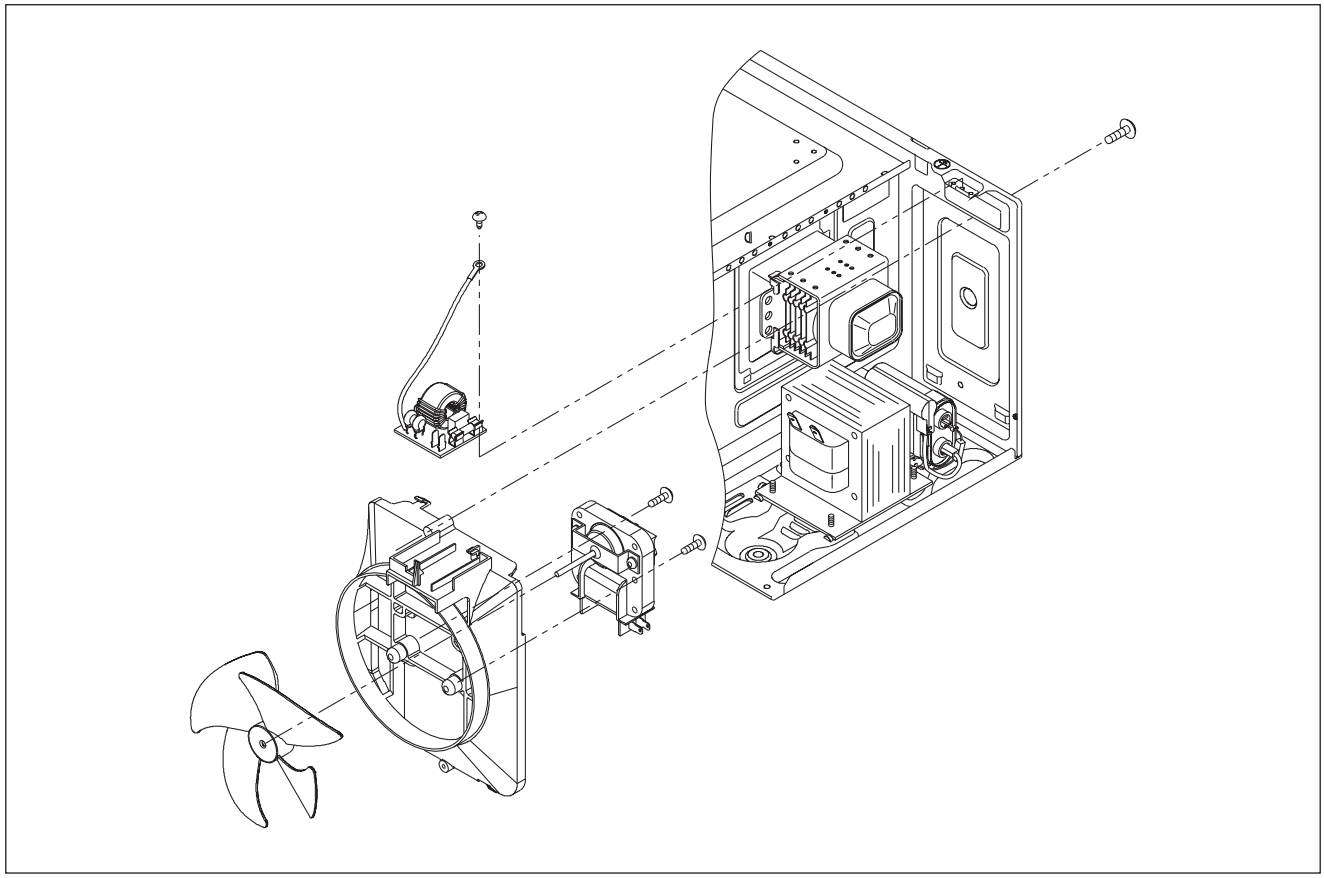
NOTE : Never install the magnetron without the metallic gasket plate which is packed with each magnetron to prevent microwave leakage. Whenever repair work is carried out on magnetron, check the microwave leakage. It shall not exceed 4mW/cm² for a fully assembled oven with door normally closed.





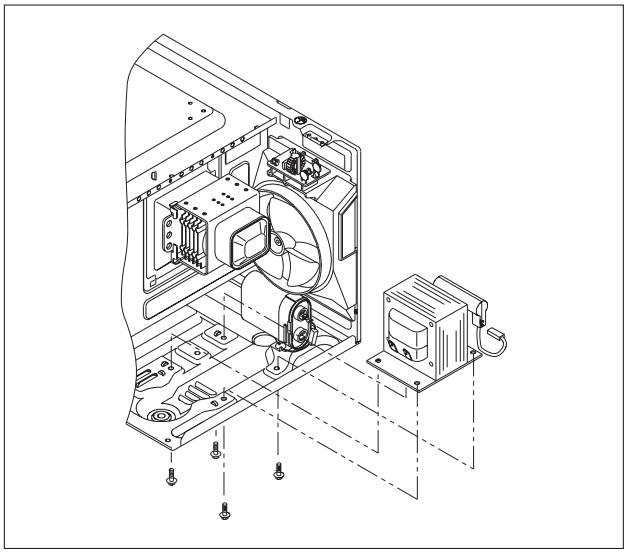
8. To remove wind guide assembly.

1) Remove the screw for earthing.
2) Remove the noise filter from the wind guide.
3) Remove the screw which secure the wind guide assembly.
4) Draw forward the wind guide assembly.
5) Pull the fan from the motor shaft.
6) Remove two screws which secure the motor shaded pole.
7) Remove the motor shaded pole.
8) Reverse the above steps for reassembly.



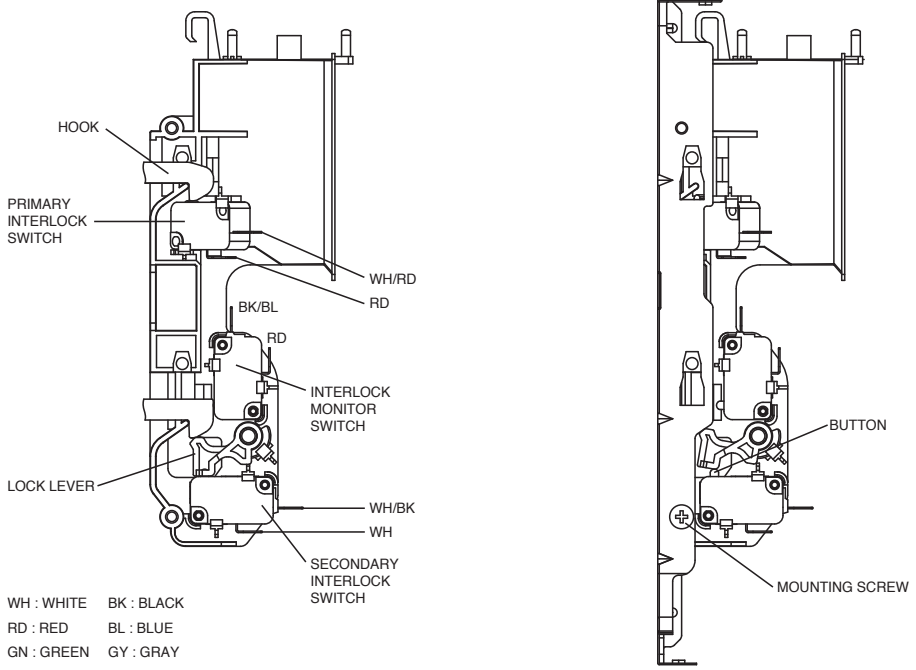
9. To remove H.V.transformer.

1) Remove four screws holding the H.V.transformer.
2) Remove the H.V.transformer.
3) Reverse the above steps for reassembly.



INTERLOCK MECHANISM AND ADJUSTMENT

The door lock mechanism is a device which has been specially designed to completely eliminate microwave radiation when the door is opened during operation, and thus to perfectly prevent the danger resulting from the leakage of microwave.



CONDITION : DOOR CLOSED CONDITION : DOOR OPEN

(1) Primary interlock switch

When the door is closed, the hook locks the oven door. If the door is not closed properly, the oven will not operate.
When the door is closed, the hook pushes the button of the microswitch. Then the button of the primary interlock switch bring it under ON condition.

(2) Secondary interlock switch and interlock monitor switch

When the door is closed, the hook pushes the lock lever downward. The lock lever presses the button of the interlock monitor switch to bring it under NO condition and presses the button of the secondary interlock switch to bring it under ON condition.

ADJUSTMENT :

Interlock monitor switch

When the door is closed, the interlock monitor switch should be "OFF" condition before other switches are "ON" condition.
When the door is opened, the interlock monitor switch should be "ON" condition after other switches are "OFF" condition.

(3) Adjustment steps

a) Loosen the mounting screw.
b) Adjust interlock switch assembly position.
Actuation distance of primary and secondary interlock switch shall be adjusted almost 0.7mm.
c) Make sure that lock lever moves smoothly after adjustment is completed.
d) Tighten completely a mounting screw.

NOTE :

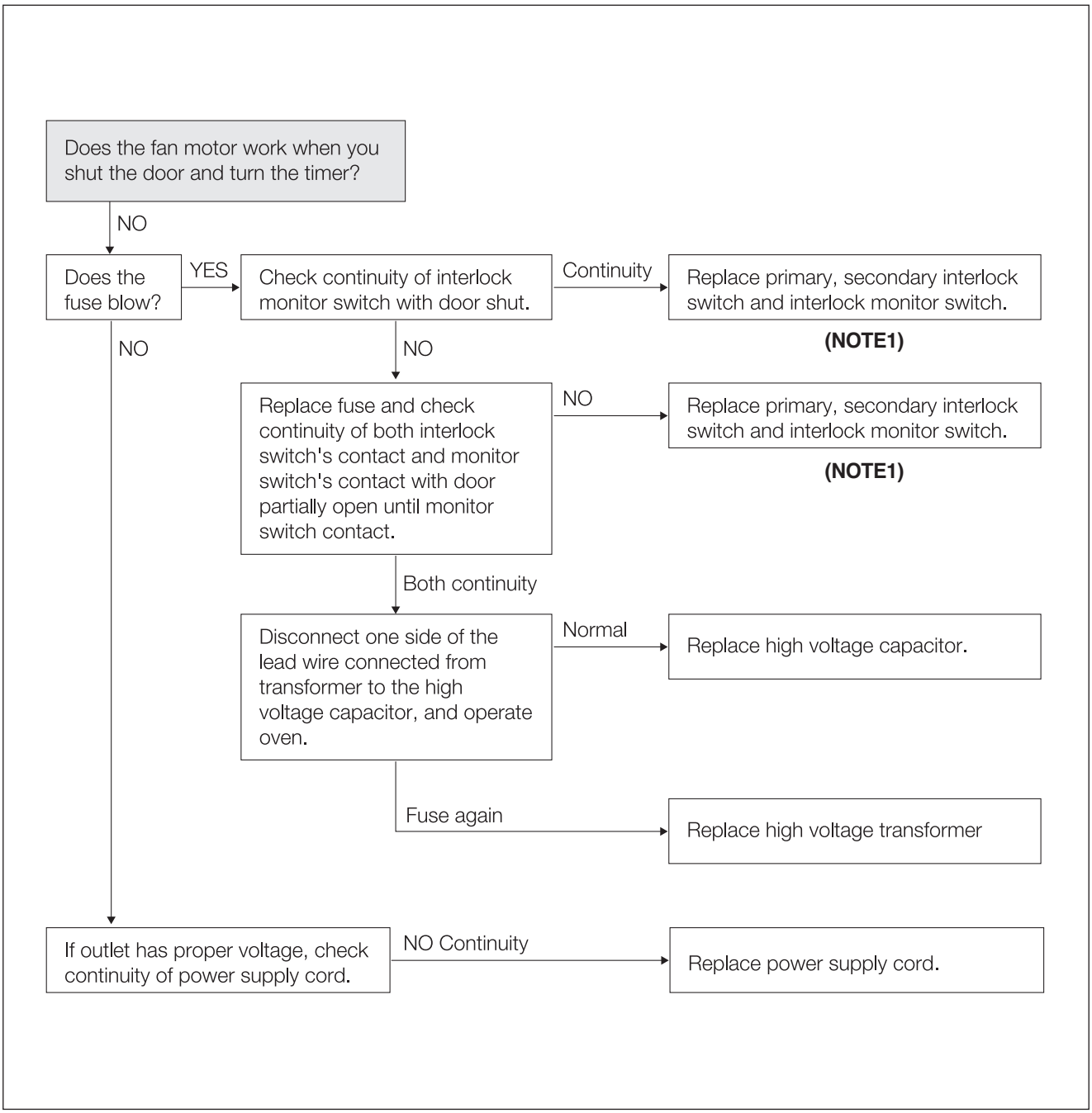
Microwave emission test should be performed after adjusting interlock mechanism.
If the microwave emission exceed 4mW/cm², readjust interlock mechanism.

TROUBLESHOOTING GUIDE

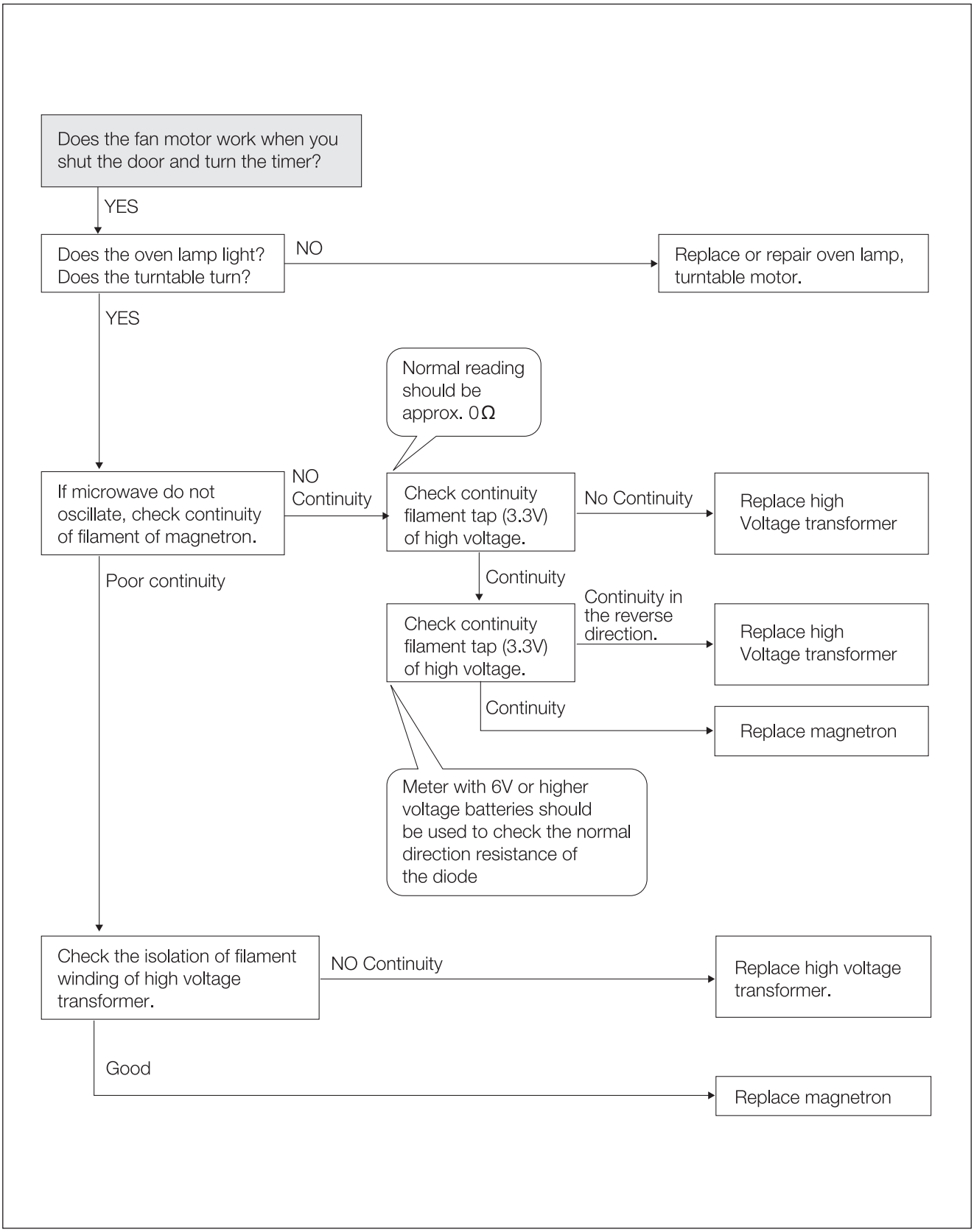
Following the procedure below to check if the oven is defective or not.

1. Check grounding before trouble checking.
2. Be careful of the high voltage circuit.
3. Discharge the high voltage capacitor.
4. When checking the continuity of the switches, fuse or high voltage transformer, disconnect one lead wire from these parts and check continuity with the AC plug removed. To do otherwise may result in a false reading or damage to your meter.

(TROUBLE 1) Oven does not operate at all ; any inputs can not be accepted.



NOTE1 :
All these switches must be replaced at the same time, please refer to “Interlock Mechanism And Adjustment”
Whenever safety interlock switches are replaced : check the wiring color, the connection of monitor switch, and perform the electrical continuity of interlock switches and microwave radiation emission test.


Does the fan motor work when you shut the door and turn the timer?
YES
Does the oven lamp light? Does the turntable turn?
NO
Replace or repair oven lamp, turntable motor.
YES
Normal reading should be approx. 0Ω
If microwave do not oscillate, check continuity of filament of magnetron.
NO Continuity
Check continuity filament tap (3.3V) of high voltage.
No Continuity
Replace high Voltage transformer
Poor continuity
Continuity
Continuity in the reverse direction.
Check continuity filament tap (3.3V) of high voltage.
Replace high Voltage transformer
Continuity
Replace magnetron
Meter with 6V or higher voltage batteries should be used to check the normal direction resistance of the diode
Check the isolation of filament winding of high voltage transformer.
NO Continuity
Replace high voltage transformer.
Good
Replace magnetron

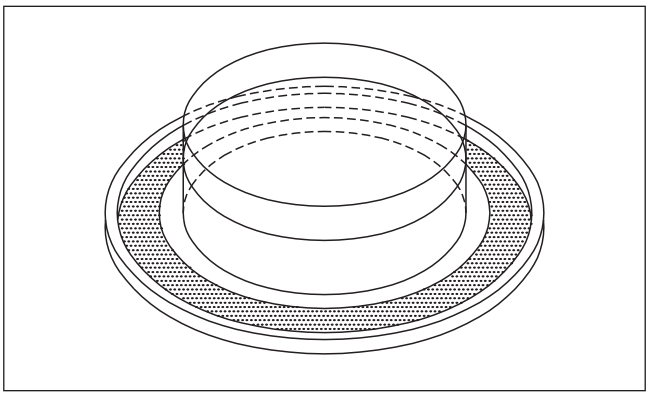
MEASUREMENT AND TEST

1. MEASUREMENT OF THE MICROWAVE POWER OUTPUT

Microwave output power can be checked by indirectly measuring the temperature rise of a certain amount of water exposed to the microwave as directed below.

PROCEDURE

1. A cylindrical container of borosilicate glass is used for the test. It has a maximum thickness of 3mm, an external diameter of approximately 190mm and a height of approximately 90mm.
   The mass of the container is determined.
2. At the start of the test, the oven and the empty container are at ambient temperature. Water having an initial temperature of 10˚C ± 1˚C is used for the test. The water temperature is measured immediately before it is poured into the container.
3. A quantity of 1000g ± 5g of water is added to the container and its actual mass obtained.
   The container is then immediately placed in the centre of the oven shelf, which is in its lowest normal position.
   The oven is operated and the time for the water temperature to attain 20˚C ± 2˚C is measured. The oven is then switched off and the final water temperature is measured within 60s.



   NOTE 1 - The water stirred is before its temperature is measured.
   NOTE 2 - Stirring and measuring devices are to have a low heat capacity.

4. The microwave power output is calculated from the formula

$$P = \{4.187 \cdot m_w(T_2-T_1) + 0.55 \cdot m_c (T_2-T_0)\}/t$$

where
P is the microwave power output, in watts ;
m_w is the mass of the water, in grams ;
m_c is the mass of the container, in grams ;
T_0 is ambient temperature, in degrees Celsius ;
T_1 is the initial temperature of the water, in degree Celsius ;
T_2 is the final temperature of the water, in degrees Celsius ;
t is the heating time, in seconds, excluding the magnetron filament heating-up time.

CAUTION
1. Water load should be measured exactly to 1 liter.
2. Input power voltage should be exactly specified voltage (Refer to SPECIFICATIONS).
3. Ambient temperature should be 20 ± 2°C (68 ± 3.6°F)

✻ Heating time for power output: ($T_2 = T_0$)

A (second)	70	64	60	56	52	49	47	44	42	40	38	36	35
B (W)	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200

2. MICROWAVE RADIATION TEST

CAUTION
1. Make sure to check the microwave leakage before and after repair of adjustment.
2. Always start measuring of an unknown field to assure safety for operating personnel from microwave energy.
3. Do not place your hands into any suspected microwave radiation field unless the safe density level is known.
4. Care should be taken not to place the eyes in direct line with the source of microwave energy.
5. Slowly approach the unit under test until the radiometer reads an appreciable microwave leakage from the unit under the test.

PROCEDURE

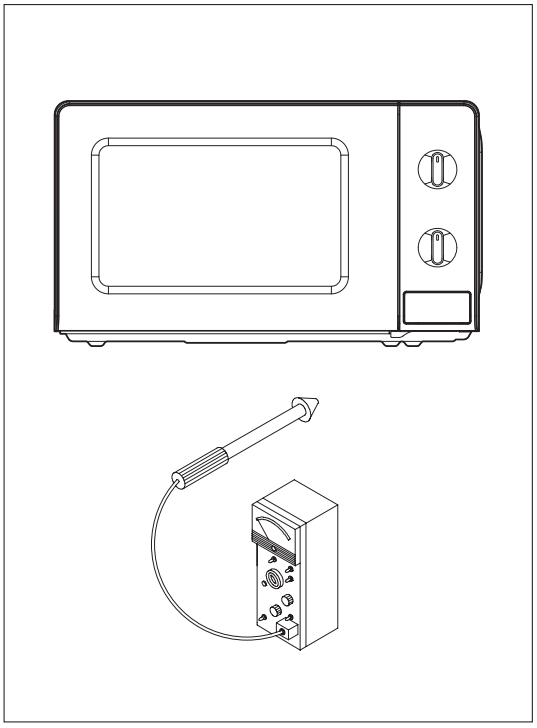
1. Prepare Microwave Energy Survey Meter, 600cc glass beaker, and glass thermometer 100°C (212°F).

2. Pour 275cc ± 15cc of tap water initially at 20 ± 5°C (68 ± 9°F) in the 600 cc glass beaker with an inside diameter of approx. 85mm (3.35in.)

3. Place it at the center of the tray and set it in a cavity.

4. Close the door and operate the oven.

5. Measure the leakage by using Microwave Energy Survey Meter with dual ranges, set to 2450MHz.
   1) Measured radiation leakage must not exceed the value prescribed below. Leakage for a fully assembled oven with door normally closed must be less than 4mW/cm^2.
   2) When measuring the leakage, always use the 5 cm (2 in.) space cone with probe. Hold the probe perpendicular to the cabinet and door. Place the space cone of the probe on the door, cabinet, door seem, door viewing screen, the exhaust air vents and the suction air vents.
   3) Measuring should be in a counter-clockwise direction at a rate of 1 in./sec. If the leakage of the cabinet door seem is unknown, move the probe more slowly.
   4) When measuring near a corner of the door, keep the probe perpendicular to the areas making sure the probe end at the base of the cone does not get closer than 2 in. from any metal. If it does not, erroneous reading may result.
   5) After servicing, record data on service invoice and/or microwave leakage report.



3. COMPONENT TEST PROCEDURE

- High voltage is present at the high voltage terminal of the high voltage transformer during any cooking cycle.
- It is neither necessary nor advisable to attempt measurement of the high voltage.
- Before touching any oven components or wiring, always unplug the oven from its power source and discharge the capacitor.

1. High voltage transformer

1) Remove connections from the transformer terminals and check continuity.
2) Normal readings should be as follows :
   Secondary winding ... Approx. 188 Ω ±10%
   Filament winding ... Approx. 0 Ω
   Primary winding ... Approx. 2.5 Ω

2. High voltage capacitor

1) Check continuity of capacitor with meter on the highest OHM scale.
2) A normal capacitor will show continuity for a short time, and then indicate 10MΩ once the capacitor charged.
3) A shorted capacitor will show continuous continuity.
4) An open capacitor will show constant 10MΩ.
5) Resistance between each terminal and chassis should be infinite.

3. High voltage diode

1) Isolate the diode from the circuit by disconnecting the leads.
2) With the ohmmeter set on the highest resistance scale measure the resistance across the diode terminals. Reverse the meter leads and again observe the resistance reading. Meter with 6V, 9V or higher voltage batteries should be used to check the front-back resistance of the diode, otherwise an infinite resistance may be read in both directions. A normal diode's resistance will be infinite in one direction and several hundred k Ω in the other direction.

4. Magnetron

For complete magnetron diagnosis, refer to "Measurement of the Microwave Power Output." Continuity checks can only indicate and open filament or a shorted magnetron. To diagnose for an open filament or a shorted magnetron,
1) Isolate magnetron from the circuit by disconnecting the leads.
2) A continuity check across magnetron filament terminals should indicate 0.1 Ω or less.
3) A continuity check between each filament terminal and magnetron case should read open.

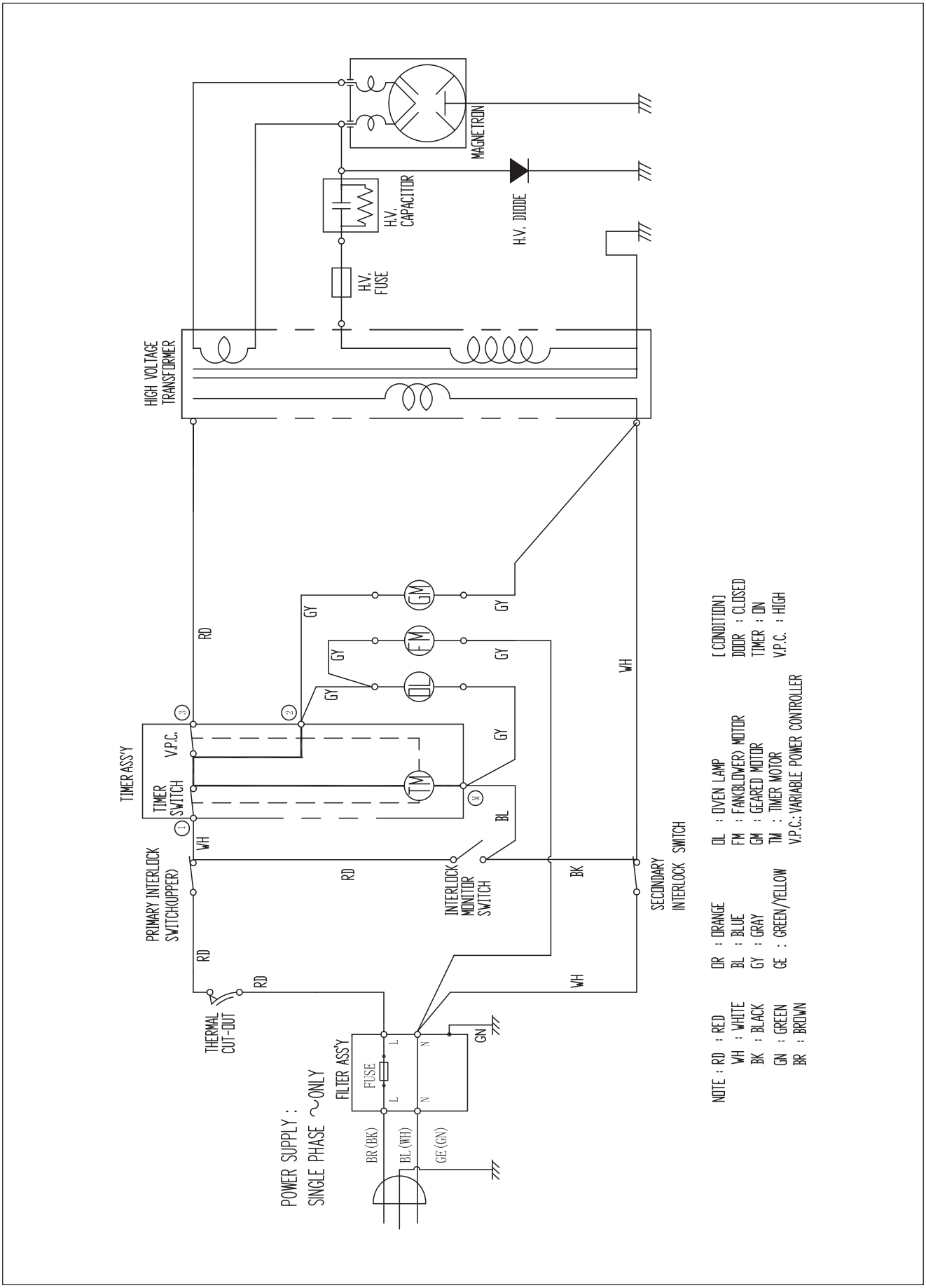
5. Fuse

If the fuse in the primary and monitor switch circuit is blown when the door is opened, check the primary and monitor switch before replacing the blown fuse. In case the fuse is blown by an improper switch operation, replace the defective switch and fuse at the same time. Replace just the fuse if the switches operate normally.

6. Interlock switches

(1) You can test continuity of safety interlock and monitor switch by using ohmmeter.
(2) The switch operation is checked by zero/unlimited.
   The meter should indicate zero resistance.
(3) The sequence of check is interlock monitor switch, primary and secondary interlock switches check.

WIRING DIAGRAM



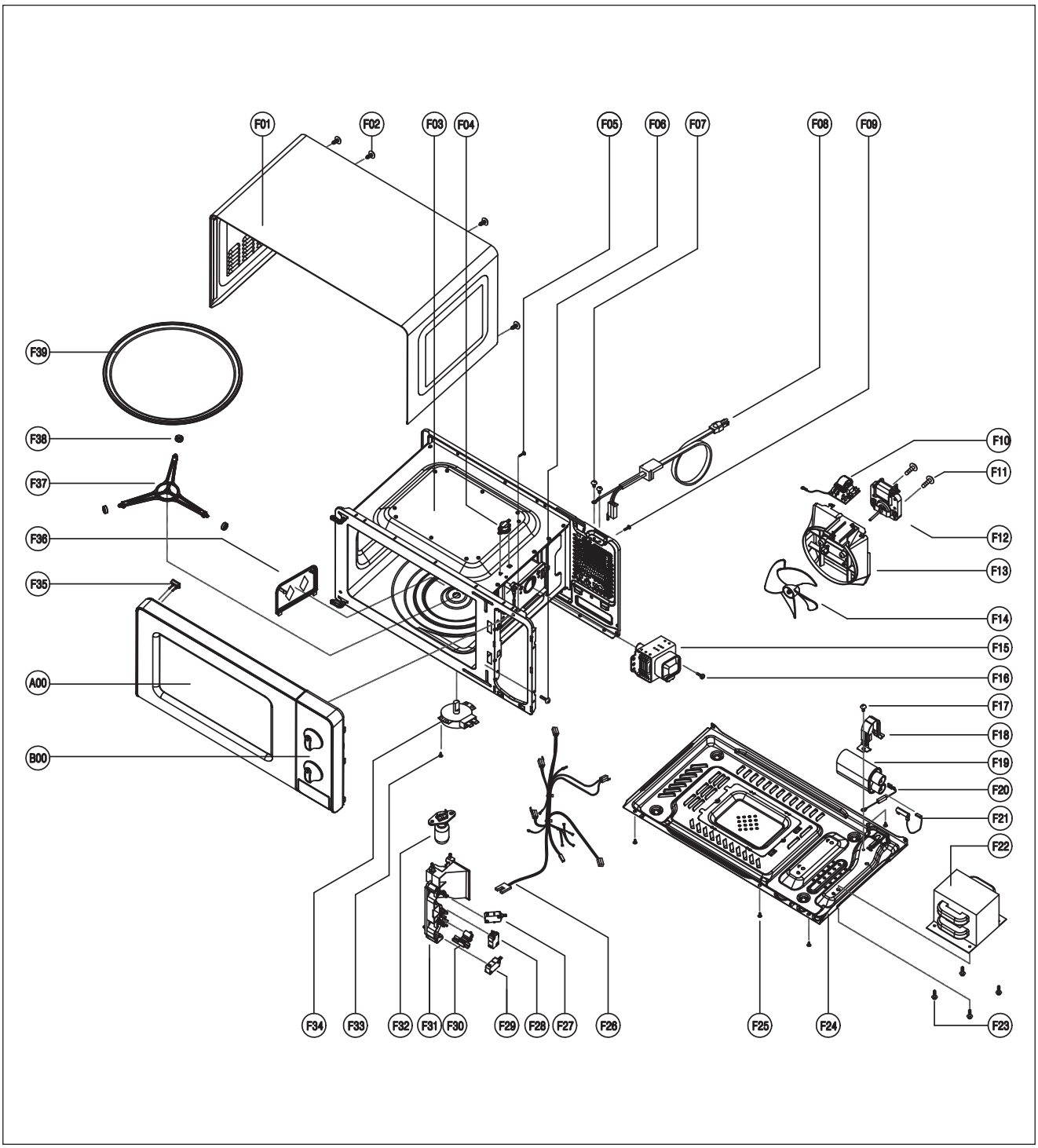
EXPLODED VIEW AND PARTS LIST

1. DOOR ASSEMBLY
Refer to Disassembly and assembly.

2. CONTROL PANEL ASSEMBLY
Refer to Disassembly and assembly.

3. GUIDE WIND ASSEMBLY
Refer to Disassembly and assembly.

4. TOTAL ASSEMBLY



NO	PART CODE	PART NAME	DESCRIPTION	Q'TY
A00	35117-0043600-00	DOOR AS	KOR660B WHITE BLACK(P)	1
B00	35167-0088200-00	CONTROL-PANEL AS	KOR6607WWSU015UW00, WHITE	1
F01	35108-0013800-00	CABINET AS	KOR660BWWCE011NW00	1
F02	7S312X40A1	SCREW TAPPING	T1 TRS 4*10 MFZN	4
F03	35161-0024100-00	CAVITY AS	CAVITY AS	1
F04	3518907010	THERMOSTAT	OFF:120 ON:60 H #187	1
F05	7122401211	SCREW TAPPING	T2S TRS 4*12 MFZN	1
F06	7122401211	SCREW TAPPING	T2S TRS 4*12 MFZN	1
F07	3516008100	SCREW TAPTITE	TT3 TRS 4X10 SE MFZN	2
F08	35113AEQ0D	CORD POWER AS	3X0.75 70X70 100-RTML	1
F09	7122401211	SCREW TAPPING	T2S TRS 4*12 MFZN	1
F10	3518608700	NOISE-FILTER	DWLF-M12 E	1
F11	7121402511	SCREW TAPPING	T2S PAN 4X25 MFZN	2
F12	3963514400	MOTOR SHADED POLE	230V 50HZ OEM-10DWC2-A07 (A)	1
F13	3512530410	GUIDE WIND	PP	1
F14	3511800300	FAN	P.P GF30	1
F15	3518003700	MAGNETRON	2M218JFL	1
F16	3516004000	SPECIAL SCREW	T2 BOLT FLANGE 5X12 DACRO	1
F17	7071400811	SCREW MACHINE	PAN 4X8 SW MFZN+STAR WASHER	1
F18	3513003200	HOLDER HV CAPACITOR	SECC T0.5	1
F19	3518302201	CAPACITOR HV	2100VAC 0.98UF #187 75MM	1
F20	3518400800	DIODE HV AS	ESJC13-12BX (CL01-12)	1
F21	65187-0001801-00	FUSE HV	5KV 0.65A THV060T 70/80 JD Straight	1
F22	65181-0014800-00	TRANS HV	S1S57A JA02 KOR66	1
F23	3516003700	SPECIAL SCREW	TT3 HEX 4X8 FLG MFZN	4
F24	35103-0014900-00	BASE	SBHG T0.5	1
F25	7S312X40A1	SCREW SPECIAL	T1 TRS 4X10 SE MFZN	4
F26	65127-0022100-00	HARNESS MAIN	KOR6607WWSU015UW00	1
F27	4415A17352	SW MICRO	SZM-V16-FA-63	1
F28	4415A66600	SW MICRO	SZM-V16-FA-62	1
F29	4415A17352	SW MICRO	SZM-V16-FA-63	1
F30	3513703800	LEVER LOCK	PP 5113MF6	1
F31	35138-0023900-00	LOCK	난연 PP	1
F32	3513601600	LAMP	BL 240V 25W T25 C7A H187	1
F33	7121400611	SCREW TAPPING	T2S PAN 4X6 MFZN	1
F34	65159-0009400-00	MOTOR SYNCRO	49TYD-5E 10 2.5/3 R/MIN 220~240VAC 50/60HZ	1
F35	35152-0003900-00	STOPPER DOOR	PP	1
F36	3511415700	COVER WAVE GUIDE	PP 5113MF6	1
F37	35125-0020900-00	GUIDE ROLLER	XAREC	1
F38	35147-0001200-00	ROLLER	TEFLON	3
F39	35172-0012000-00	TRAY	GLASS DIA:245	1

Dongbu Daewoo Electronics

DONGBU DAEWOO ELECTRONICS CORP.
Dongbu Financial Center, 432, Teheran-ro,
Gangnam-gu, Seoul 135-523, Korea

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