

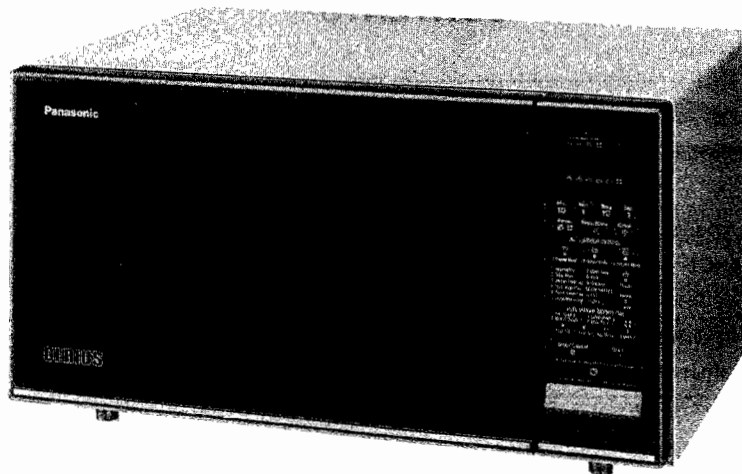
Service Manual

5142

Microwave Oven

NN-6808
 NN-6858
 NN-6558
 NN-6568
 NN-6308
 NN-6358
 NN-6258

For United Kingdom
 For NAAFI



Specifications

Power Source :	240 V AC Single Phase, 50 Hz
Power Requirement :	1,400W (6.0 A)
High Frequency Output :	700W
Microwave Frequency :	2,450 MHz
Timer :	99 min. 99 sec. 9 hr. 99 min.
Outside Dimensions :	555 mm (W) × 431 mm (D) × 306 mm (H)
Oven Cavity Dimensions :	372 mm (W) × 385 mm (D) × 209 mm (H)
Weight :	17 kg
Specifications subject to change without notice.	

Panasonic

Matsushita Electric Industrial Co., Ltd.
 P.O. Box 288, Central Osaka Japan

5142

WARNING

- * This product should be serviced only by trained, qualified personnel. As for the oven lamp, it is replaceable by the users.
- * This service manual covers products for following markets.
 When troubleshooting or replacing parts, please refer to the country identifications shown below for your applicable product specification.
 BPQ.....For United Kingdom
 PPQ.....For NAAFI

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FEATURE CHART

MODEL		NN-6808	NN-6558	NN-6308	NN-6258
FEATURE		NN-6858	NN-6568	NN-6358	
CYCLIC DEFROST		○	○	○	—
2-STAGE COOKING		○	○	○	—
3-STAGE COOKING		○	○	—	—
AUTO SENSOR COOKING	FRESH FOODS	○	—	—	—
	FROZEN FOODS	○	—	—	—
AUTO WEIGHT DEFROST		○	○	—	—
AUTO WEIGHT COOK		—	○	—	—
AUTO REHEAT		—	○	○	—
AUTO START		○	○	○	—
DELAY/STAND		○	○	○	—
DIGITAL CLOCK		○	○	○	—
MECHANICAL TIMER		—	—	—	○
MECHANICAL VARI-POWER		—	—	—	○

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 NN-6568, NN-6308, NN-6358
 NN-6258

CONTROL PANEL (Touch Control models)

Control Panel

NN-6308/NN-6358

1. Display Window
 2. Time Pads (Min, Sec, 10, 1)
 3. Power Pad (Delay/Stand, Cook)
 4. Delay/Stand Pad
 5. AUTO REHEAT Pad
 6. AUTO WEIGHT CONTROL Pad (1 lb/kg, 0.1 kg/lb, More/Less)
 7. Stop/Cancel Pad
 8. Start Pad
 9. 1 kg/1 lb Pad*
 10. 0.1 kg/1 oz Pad*
 11. kg/lb Convert Pad (lb/oz)
 12. Start Pad
 13. Auto Weight Defrost Pad*
 14. Auto Weight Cook Pad*

NN-6568/NN-6558

1. Display Window
 2. Time Pads (Min, Sec, 10, 1)
 3. Power Pad (Delay/Stand, Cook)
 4. Delay/Stand Pad
 5. AUTO REHEAT Pad
 6. AUTO WEIGHT CONTROL Pad (1 lb/kg, 0.1 kg/lb, More/Less)
 7. Stop/Cancel Pad
 8. Start Pad
 9. 1 kg/1 lb Pad*
 10. 0.1 kg/1 oz Pad*
 11. kg/lb Convert Pad (lb/oz)
 12. Start Pad
 13. Auto Weight Defrost Pad*
 14. Auto Weight Cook Pad*

Controls with Auto Count-Up Feature*

- 1 Display Window
- 2 Time Pads*
- 3 Power Pad*
- 4 Delay/Stand Pad
- 5 Auto Reheat Control Pads*
- 6 Cooking Guide
- 7 Stop/Cancel Pad
- 8 Clock Pad
- 9 Auto Weight Defrost Pad*
- 10 Auto Weight Cook Pad*
- 11 1 kg/1 lb Pad*
- 12 0.1 kg/1 oz Pad*
- 13 kg/lb Convert Pad (lb/oz)
- 14 Start Pad

Outline Diagram

- 1 Door Release Button
- 2 Oven Window
- 3 Door Safety Lock System
- 4 Oven Air Vent
- 5 Control Panel
- 6 Glass Tray
- 7 Roller Ring

Control Panel

Controls with Auto Count-Up Feature*

NN-6808/NN-6858

Display Window

Time Pads*

Power Pad*
 Delay/Stand Pad

Auto Sensor Reheat Pads

Auto Sensor Cook Pad*

More/Less Pad

Auto Weight Defrost Pad*
 kg/lb Convert Pad (lb/oz)

Start Pad

- 3 -

- 4 -

- 5 -

OPERATION PROCEDURE (Touch Control models)

	Step 1	Step 2	Step 3	Step 4	Step 5
CLOCK SETTING		Enter Time of Day 10 1 10 1			
TIME COOKING (TWO STAGE)		Set Time 10 1 10 1		Set Time 10 1 10 1	
AUTO WEIGHT DEFROST	 1~4	Set Weight 1kg /1lb 0.1kg /1oz kg lb oz			
AUTO WEIGHT COOK	 1~8	Set Weight 1kg /1lb 0.1kg /1oz kg lb oz			
AUTO REHEAT	 1~3				
AUTO SENSOR COOK	 A1~A10	If desired More Less or			
AUTO SENSOR DEFROST	 1•2•3	If desired More Less or			

For more detailed operating sequence, see pages 27 through 30.

NOTES WHEN PROGRAMMING

CLOCK SETTING:

- (1) To reset time of day touch CLOCK Pad twice to clear the time. Colon will begin to blink. Enter the correct time of day by following the above procedures.
- (2) The clock will keep the time of day as long as oven is plugged in and electricity is supplied.
- (3) This is 12 hours clock.

TIME COOKING/CYCLIC DEFROST:

- (1) The oven can be programmed up to 3 stages. (2 stages for models NN-6308/6358)
- (2) Stand time can be programmed before/after Cyclic Defrost/Time Cooking.

AUTO WEIGHT DEFROST:

- (1) There are 4 categories for Auto Weight Defrost.
- (2) The shape and size of the food will determine the maximum weight the oven can accommodate.
- (3) Stand time or power and time cooking may be programmed after Auto Weight Defrost.

AUTO WEIGHT COOK:

- (1) There are 8 categories for Auto Weight Cook.
- (2) The shape and size of the food will determine the maximum weight the oven can accommodate.
- (3) Stand Time or a power level can be programmed after Auto Weight Cook.

AUTO REHEAT:

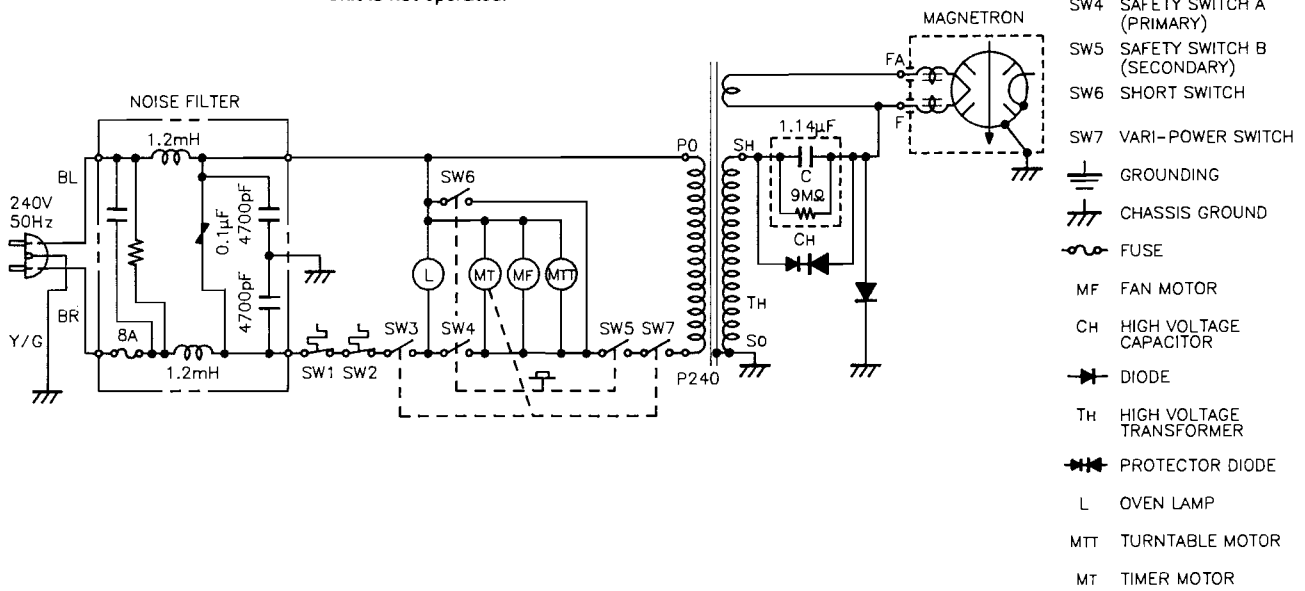
- (1) There are 3 categories for Auto Reheat.
- (2) The shape and size of the food will determine the maximum weight the oven can accommodate.
- (3) Stand time or a power level can be programmed after Auto Reheat.

AUTO SENSOR COOKING:

- (1) The Auto Sensor system works by detecting a build-up of steam on the humidity sensor. As foods cook in a microwave oven, steam is produced. When foods are covered, the steam will build up and escape from the dish in a burst. This burst of steam is detected by the humidity sensor and then the oven automatically calculates the remaining cooking time.
- (2) The room air temperature surrounding the oven should not be above 35°C when using Auto Sensor Cooking feature. Inaccurate cooking may result.
- (3) Foods less than 125 grammes should be cooked by power and time, not by the Auto Sensor Cooking Cycle.
- (4) When the remaining cooking time is over 60 minutes, the time will appear as hours and minutes.
- (5) All foods for Auto Sensor Cooking to cook are taken from their normal storage place.
- (6) Before using the Auto Sensor feature make sure Glass Tray in the oven is dry to assure best Auto Cooking results.

SCHEMATIC DIAGRAM (NN-6258)

NOTE: Door is closed.
 Unit is not operated.



- SW1 THERMAL CUTOUT (MAG)
- SW2 THERMAL CUTOUT (OVEN)
- SW3 TIMER SWITCH
- SW4 SAFETY SWITCH A (PRIMARY)
- SW5 SAFETY SWITCH B (SECONDARY)
- SW6 SHORT SWITCH
- SW7 VARI-POWER SWITCH
- ⏏ GROUNDING
- ⏏ CHASSIS GROUND
- ⏏ FUSE
- MF FAN MOTOR
- CH HIGH VOLTAGE CAPACITOR
- DIODE
- TH HIGH VOLTAGE TRANSFORMER
- ⏏ PROTECTOR DIODE
- L OVEN LAMP
- MTT TURNTABLE MOTOR
- MT TIMER MOTOR

NOTE: When replacing, check the lead wire colour as shown.

SYMBOL	COLOR
B	BLACK
R	RED
OR	ORANGE
GR	GRAY
V	VIOLET
BR	BROWN
Y	YELLOW
BL	BLUE
W	WHITE
P	PINK

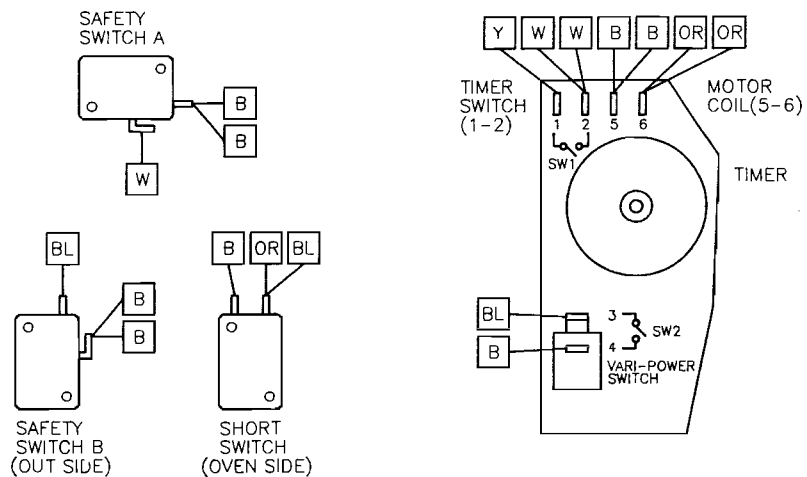
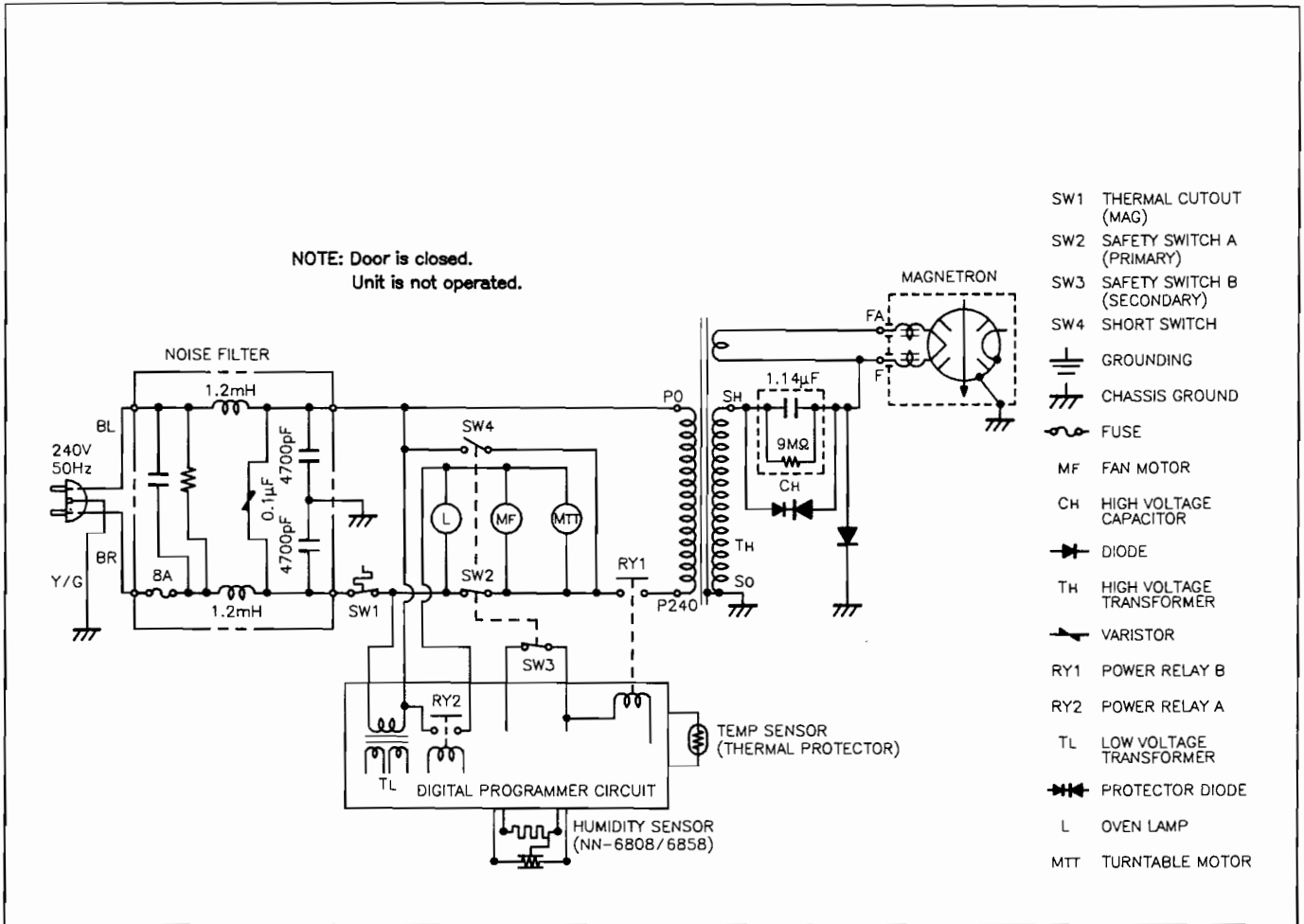


Fig. 1

NN-6808, NN-6858, NN-6558
 NN-6568, NN-6308, NN-6358
 NN-6258

SCHEMATIC DIAGRAM (Touch Control models)



NOTE: When replacing, check the lead wire colour as shown.

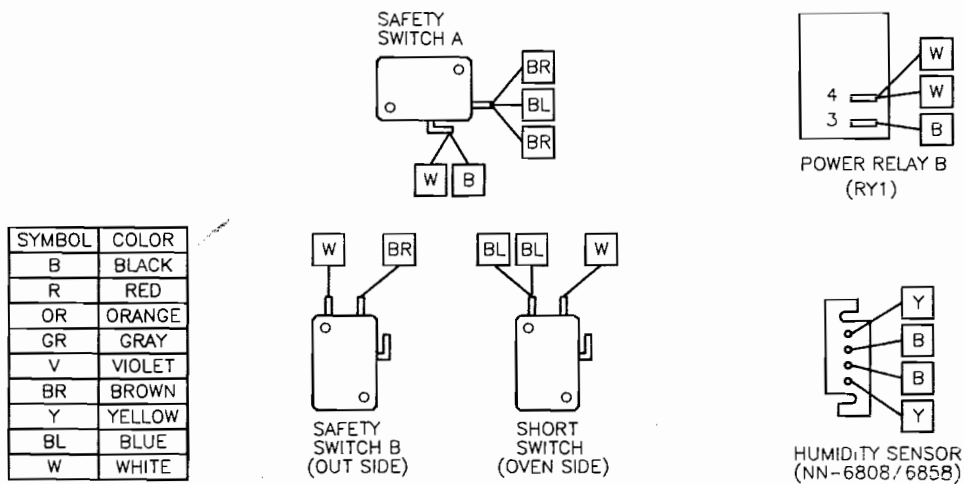


Fig. 2

DESCRIPTION OF OPERATING SEQUENCE

1. Variable power cooking control (NN-6258)

The vari-power controller controls the ON-OFF time of the vari-power switch to vary the output power of the microwave oven from "Warm" to "High". The vari-power controller is a part of the timer assembly. The timer assembly consists of timer motor, timer switch, vari-power switch and the combination of gears, cam and actuator lever.

One complete cycle of the vari-power controller is 36 seconds, in which the vari-power switch is turned "ON" or "OFF" by the cam rotation in the 36 ± 2 second period.

By controlling the timing of the vari-power switch "ON" period, the 120V AC supplied to the high voltage transformer is interrupted intermittently so that the average output power of the microwave oven is varied.

Fig. 3 shows the timing chart of vari-power switch operation in respect to the power setting on the control panel.

NOTE: The ON/OFF time ratio does not correspond with the percentage of microwave power since approximately 2 seconds are required for heating of magnetron filament.

1". Variable power cooking control (Touch control models)

The coil of power relay B (RY1) is energized intermittently by the digital programmer circuit, when the oven is set at any power selection except for High power position. The digital programmer circuit controls the ON-OFF time of power relay B contacts in order to vary the output power of the microwave oven from "Warm" to "High" power. One complete ON and OFF cycle of power relay B is 22 seconds. The relation between indications on the control panel and the output of the microwave oven is as shown in Fig. 3

NOTE: The ON/OFF time ratio does not correspond with the percentage of microwave power since approximately 2 seconds are required for heating of magnetron filament.

2. Cyclic defrost (Touch control models)

When defrost power and defrosting time are selected and Start pad is tapped:

- (A) The digital programmer circuit (DPC) divides the total defrosting time into 8 equal periods, consisting of four defrosting periods, each followed by a standing periods. (See Fig. 4)
- (B) During defrosting power periods, power relay B is energized for 9 seconds and de-energized for 13 seconds by DPC. (See Fig. 5)
- (C) During standing periods, power relay B is always open resulting in no microwave power.

NOTE: Defrost time selected is converted into seconds by the DPC but display will show selected time in minutes and seconds as programmed. The total number of seconds is divided into 8 time periods. The remainder (seconds not equally divisible by 8) are added to the last standing time period.

Example 1: If defrosting time is selected for 2 minutes 56 seconds, each operating period will be as follows: (See Fig. 6)
 2 minutes 56 seconds = 176 seconds
 $176/8 = 22$

Example 2: If defrosting time is selected for 5 minutes, each operating period will be as follows: (See Fig. 7)
 5 minutes = 300 seconds
 $300/8 = 37$ and remainder is 4 seconds.
 The 4 seconds is added to the last time period.

NOTE: When defrosting time is selected for not more than 7 seconds, the power relay B will not be energized at all.

POWER SETTING	OUTPUT POWER(W) APPROX.	ON-OFF TIME OF VARI-POWER SWITCH (NN-6258)		ON-OFF TIME OF POWER RELAY B (Touch Control models)	
		ON (SEC)	OFF (SEC)	ON (SEC)	OFF (SEC)
HIGH	700	36	0	22	0
MEDIUM	480	27	9	17	5
LOW	360	21	15	13	9
DEFROST	240	14	22	—	—
SIMMER	180	13	23	8	14
WARM	70	5	31	4	18
CYCLIC DEFROST	APPROX. 110W	—	—	Please refer to description of cyclic defrost	

Fig. 3

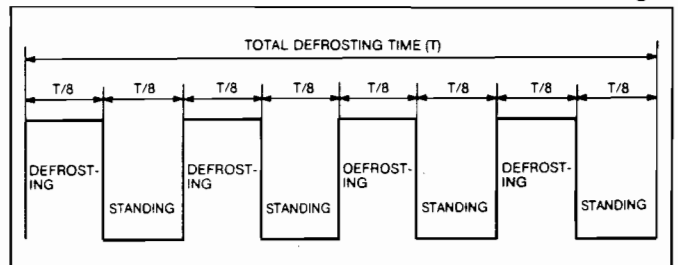


Fig. 4

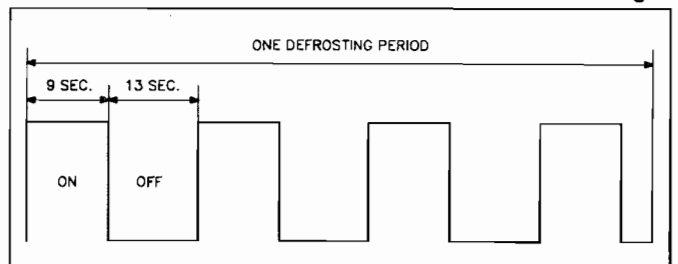


Fig. 5

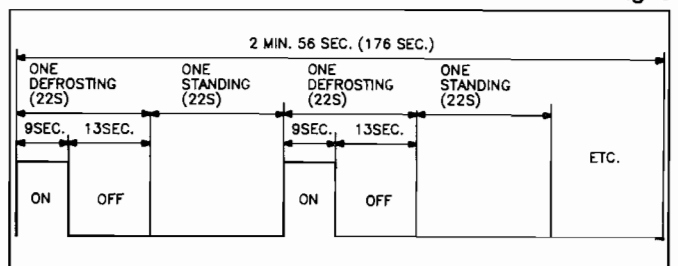


Fig. 6

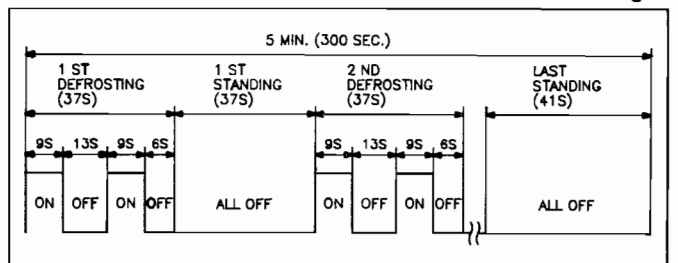


Fig. 7

3. Auto weight cook control (NN-6558/6568)

When the Auto Weight Control, Cook feature is selected by tapping the appropriate key pads and the start pad is tapped:

(A) The digital programmer circuit determines the power level and cooking time to complete cooking and indicates the operating state in the display window. (See Fig. 8)

Fig. 8 shows the corresponding cooking times with respective weights by categories.

(B) When cooking time in the display window has elapsed, the oven turns off automatically by the controlled signal from the digital programmer circuit.

4. Auto weight defrost control (NN-6808/6858/6508/6558)

When the Auto Weight Control, Defrost feature is selected and the Start Pad is tapped:

(A) The digital programmer circuit functions exactly the same as when Auto Weight Cook control is selected, except for cooking powers and cooking times.

Fig. 9 shows the defrosting times for respective weights by categories.

5. Auto reheat (NN-6558/6568/6308/6358)

When the Auto Reheat Control feature is selected by tapping the appropriate key pads and the start pad is tapped.

(A) The digital programmer circuit determines the power level and cooking time to complete cooking and indicates the operating state in the display window.

Fig. 10 shows the corresponding cooking times with respective serving by categories.

(B) When cooking time in the display window has elapsed, the oven turns off automatically by a control signal from the digital programmer circuit.

WEIGHT SELECTED	TOTAL COOKING TIME			
	CATEGORY 1	CATEGORY 3	CATEGORY 5	CATEGORY 7
1 kg	15 min. 20 sec.	9 min. 00 sec.	25 min. 40 sec.	30 min. 00 sec.
3 kg	—	—	1 hour 17 min.	1 hour 27 min.
1 lb	6 min. 56 sec.	4 min. 16 sec.	11 min. 44 sec.	13 min. 52 sec.
5 lb	34 min. 40 sec.	21 min. 20 sec.	58 min. 40 sec.	1 hour 06 min.
7 lb	—	—	—	1 hour 33 min.

Fig. 8

NN-6808/6858

WEIGHT SELECTED	TOTAL DEFROSTING TIME			
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
1 kg	40 min. 15 sec.	29 min. 45 sec.	45 min. 30 sec.	45 min. 30 sec.
3 kg	—	—	2 hours 16 min.	2 hours 16 min.
5 kg	—	—	—	—
1 lb	18 min. 24 sec.	13 min. 36 sec.	20 min. 48 sec.	20 min. 48 sec.
5 lb	1 hour 32 min.	1 hour 08 min.	1 hour 44 min.	1 hour 44 min.
9 lb	—	—	—	3 hours 07 min.

Fig. 9A

NN-6558/6568/6308/6358

WEIGHT SELECTED	TOTAL DEFROSTING TIME			
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
1 kg	40 min. 00 sec.	30 min. 00 sec.	45 min. 00 sec.	45 min. 00 sec.
3 kg	—	—	2 hours 15 min.	2 hours 15 min.
5 kg	—	—	3 hours 45 min.	—
1 lb	18 min. 24 sec.	13 min. 36 sec.	20 min. 48 sec.	20 min. 48 sec.
5 lb	1 hour 32 min.	1 hour 08 min.	1 hour 44 min.	1 hour 44 min.
9 lb	—	—	—	3 hours 07 min.

Fig. 9B

SERVING	CATEGORY		
	1	2	3
1	1 min. 50 sec.	1 min. 35 sec.	1 min. 40 sec.
4	6 min. 30 sec.	11 min. 30 sec.	5 min. 15 sec.

Fig. 10

AUTO SENSOR EXPLANATION, K FACTORS AND POWER LEVELS (NN-6808/6858)

1. Auto sensor cooking

Auto sensor cooking is a revolutionary way to cook by microwave without setting a power level or selecting a time. All that is necessary is to select an Auto Sensor Program before starting to cook.

Understanding of Auto Sensor Cooking

As a food cooks, a certain amount of steam is produced. If the food is covered, this steam builds up and eventually escapes from the container. In Auto Sensor Cooking, a carefully designed instrument, called the humidity sensor element, senses this escape of steam. Then, based upon the Auto Sensor Program selected, the unit will automatically determine the correct power level and the proper length of time it will take to cook the food.

NOTE: Auto Sensor Cooking is successful with the foods and recipes found in the Auto Sensor Cooking Guide. Because of the vast differences in food composition, items not mentioned in the Cooking Guide should be prepared in the microwave oven using power select and time features. Please consult Variable Power Microwave Cookbook for procedures.

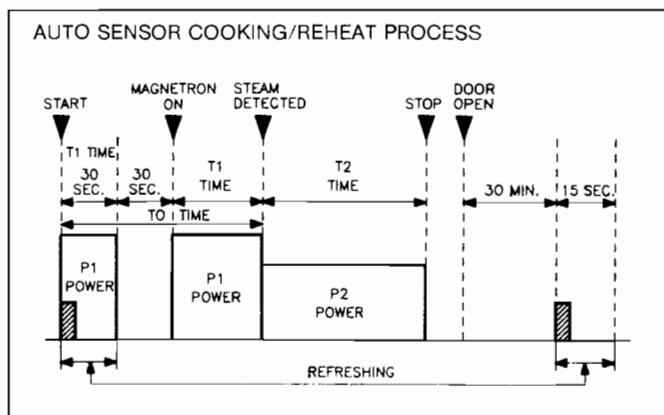


Fig. 11

2. Auto sensor cooking process

Explanation of the Auto Sensor Cooking process (See Fig. 11)

- 1) The shaded columns in the graph indicate when the humidity sensor heater is on.
- 2) During the second 30 second period there is no microwave activity, and when calculating the T2 time by using the formula below make sure this 30 seconds is subtracted from the T0 time.
- 3) T1 time.....The total amount of time it takes the microwave oven to switch to T2 time. During this time one of the Auto Sensor programs will be shown in display.
- 4) T2 time.....When the steam escapes from the cooking container placed in the oven, the humidity sensor detects it and the microprocessor calculates the balance of cooking time. This T2 time is then shown in the display and begins counting down.

Balance of cooking time (T2 time)

The balance of cooking time which is called T2 time, can be calculated by the following formula.

$$T2 \text{ time (in sec.)} = T1 \text{ time} \times K \text{ factor}$$

NOTE: When calculating T2 time, the last digit of T1 time in seconds is cut away. For instance, if the T1 time is 76 seconds, the T2 time will be:

$$T2 = 70 \times K$$

Remember, the T1 time starts after the start pad is tapped. The coefficient K is programmed into the microprocessor memory and they are listed in the following tables along with the P1 and P2 powers. (See Fig. 12)

NOTE: When "More" or "Less" pad is selected, the K factor varies resulting in T2 time to be increased or decreased.

Some examples of calculating the T2 time

Example: If the T1 time is measured to be 2 minutes and 45 seconds and the Auto program selected in (AUTO SENSOR COOK) A5:

$$\begin{aligned} T2 &= T1 \times K \\ &= 2 \text{ min. and } 45 \text{ sec.} \times 3.0 \\ &= 160 \text{ sec.} \times 3.0 \\ &= 480 \text{ sec.} \\ &= 8 \text{ min.} \end{aligned}$$

2. Auto Sensor Reheat

With Auto Sensor Reheat, you can accurately reheat foods in accordance with their current state of preparation. This allows you to set the oven to reheat either: 1) Plated Meal, 2) Casserole and 3) Hot Drink at their appropriate power levels and times. Best of all, Auto Sensor automatically does it all at the touch of a button!

NOTE: The Auto Sensor Reheat process is same as Auto Sensor Cooking process. (See Fig. 11)

(AUTO SENSOR COOK)			
	P1	P2	K factor
	Power	Power	Standard
A1	HIGH	HIGH	0.8
A5	HIGH	LOW	3.0
A10	MED	MED	1.5
(AUTO SENSOR REHEAT)			
A1	HIGH	HIGH	0.1
A2	HIGH	HIGH	0.6
A3	HIGH	MED	0.5

Fig. 12

CAUTIONS TO BE OBSERVED WHEN TROUBLESHOOTING

Unlike many other appliances, the microwave oven is high-voltage, high-current equipment. Though it is free from danger in ordinary use, extreme care should be taken during repair.

CAUTION

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

1. Check the grounding

Do not operate on a 2-wire extension cord. The microwave oven is designed to be used when grounded. It is imperative, therefore, to make sure it is grounded properly before beginning repair work.

2. Warning about the electric charge in the high voltage capacitor (Fig. 13)

For about 30 seconds after the oven is turned off, an electric charge remains in the high voltage capacitor.

When replacing or checking parts, turn the oven off, wait 30 seconds and short the terminal of the high voltage capacitor (terminal of lead wire from diode) to chassis ground with an insulated jumper lead wire to discharge.

WARNING

There is high-voltage present, with high-current capabilities in the circuits of the high voltage winding and filament winding of the high voltage transformer. It is extremely dangerous to work on or near these circuits with oven energized.

DO NOT measure the voltage in the high voltage circuit including filament voltage of magnetron.

WARNING

Never touch any circuit wiring with your hand nor even with an insulated tool during operation.

3. When parts must be replaced, remove the power plug from the outlet.

4. Avoid inserting nails, wire, etc. through any holes in the unit during operation.

Never insert a wire, nail or any other metal objects through the lamp holes on the cavity or any other holes or gaps, because such objects may work as an antenna and cause microwave leakage.

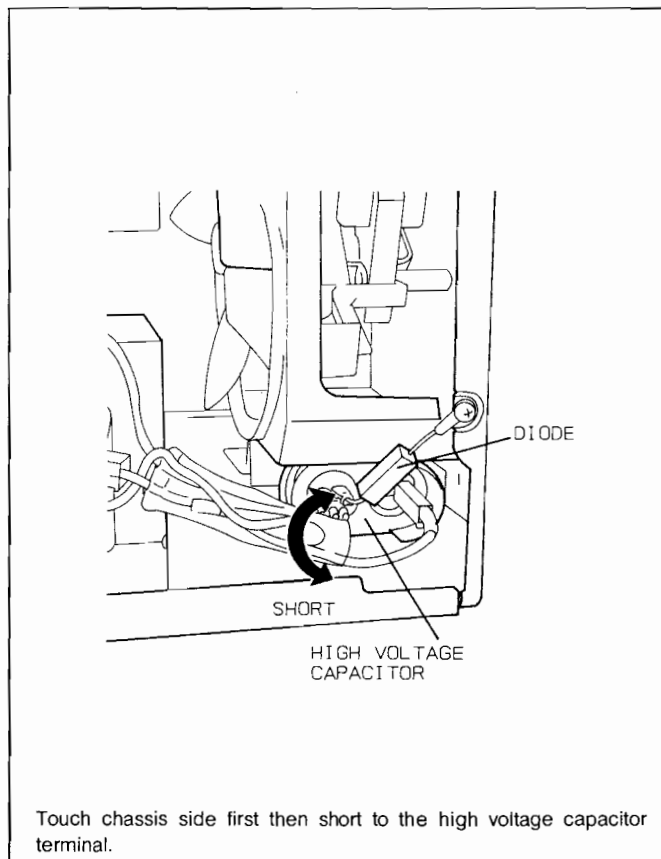
5. Confirm after repair

(A) After repair or replacement of parts, make sure that the screws of the oven, etc. are neither loose nor missing.

Microwaves might leak if screws are not properly tightened.

(B) Make sure that all electrical connections are tight before inserting the plug into the wall outlet.

6. The special connection cable used for connection of this apparatus may be replaced only by qualified service-personnel using a special cable, which can be obtained only from the "Panasonic" - Service. (Refer to Parts List.)



Touch chassis side first then short to the high voltage capacitor terminal.

Fig. 13

DISASSEMBLY AND PARTS REPLACEMENT PROCEDURE

1. Replacement of the magnetron

CAUTION

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

Removal of positive lock connector.

The positive lock connector is a specially designed locking connector and you will find this connector in many lead wire connections. To remove this connector, pull the lead wire by pressing an extruded lever in the center of receptacle terminal as shown in Fig. 14.

- (A) Discharge the high voltage capacitor. (see page 10)
- (B) Remove 2 screws holding magnetron thermal cutout. (Fig. 15)
- (C) Remove 1 screw holding air guide A. (Fig. 15)
- (D) Disconnect 2 high voltage lead wires from magnetron filament terminals (Fig. 15)
- (E) Remove 4 screws holding the magnetron. (Fig. 15)

NOTE: After replacement of the magnetron, tighten mounting screws properly making sure there is no gap between the waveguide and the 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 "FA terminal" and the lead wire from high voltage capacitor should be connected to "F terminal". (See Fig. 15)

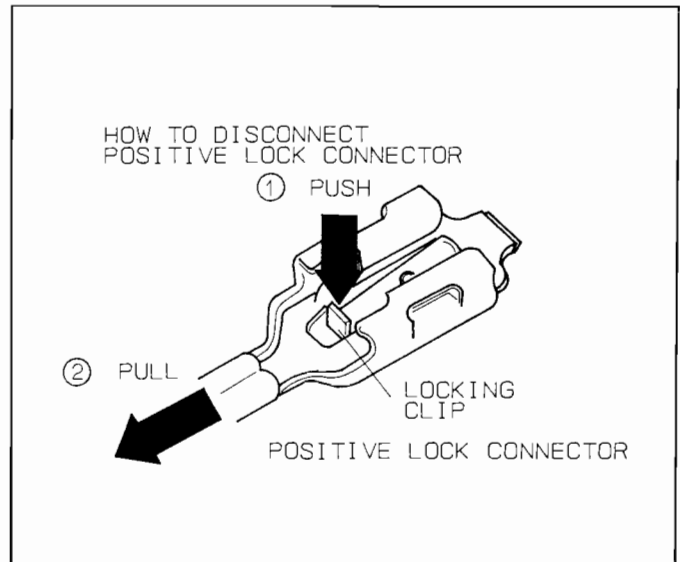


Fig. 14

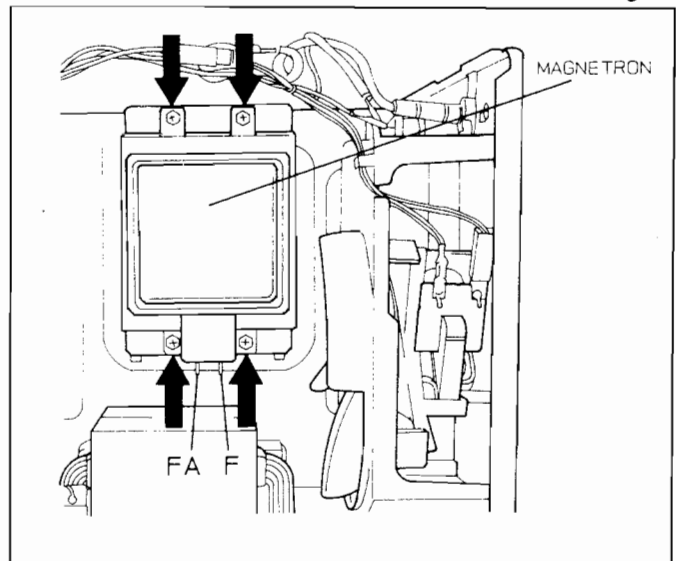


Fig. 15

2. Replacement of the timer (NN-6258)

- (A) Disconnect all lead wires from timer. (Fig. 16)
- (B) Remove Knobs and remove 4 screws holding the timer. (Fig. 17)

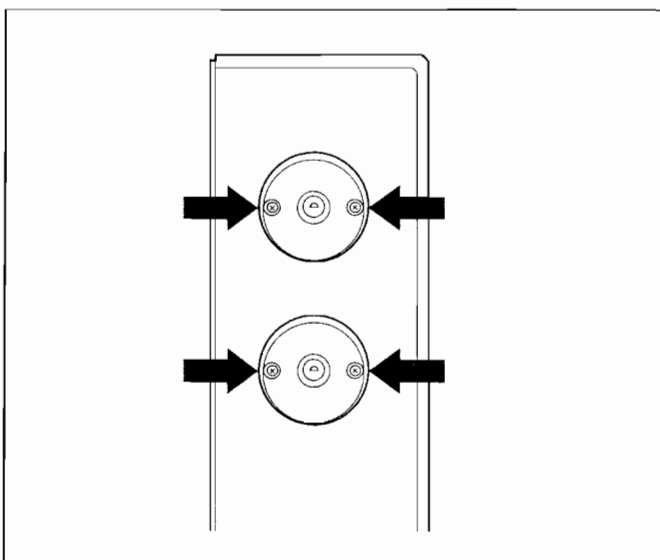


Fig. 17

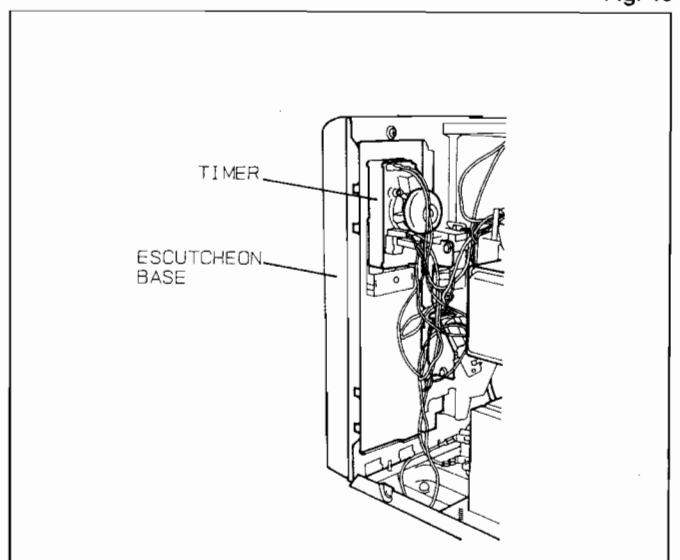


Fig. 16

2". Replacement of the digital programmer circuit (DPC) and membrane key board.

NOTE: Be sure to ground any static electric charge built up on your body, before handling the DPC.

- (A) Disconnect 2 lead wires from power relay B (RY1) terminals. (Fig. 18)
- (B) Disconnect CN1 and CN3 connectors from DPC. (Fig. 18)
- (C) Remove 2 screws holding escutcheon base and slide the escutcheon base upward slightly. (Fig. 18)
- (D) Release CN2 connector's lock of DPC by pushing lever to inside and pull it upward, and remove flat cable of membrane key board. (Fig. 19)
- (E) Remove 2 screws holding DPC. (Fig. 19)

To replace membrane key board

- (F) Remove escutcheon bracket from escutcheon base by freeing 4 catch hooks on the escutcheon base.
- (G) Remove 1 screw holding membrane key board's tab and peel off the membrane key board from the escutcheon bracket. (Fig. 20)

NOTE: The membrane key board is attached to the escutcheon bracket with double faced adhesive tape.

NOTE: When installing new membrane key board, make sure that the surface of escutcheon bracket is cleaned sufficiently so that any problems (shorted contacts or uneven surface) can be avoided.

NOTE: Make sure that new membrane key board is aligned to the left and lower edges of the escutcheon bracket. (Fig. 20)

3. Replacement of the low voltage transformer and/or power relays.

NOTE: Be sure to ground any static electric charge built up on your body before handling the DPC.

- (A) Using solder wick or a desoldering tool and 30W soldering iron, carefully remove all solder from the terminal pins of the low voltage transformer and/or power relays.

NOTE: Do not use a soldering iron or desoldering tool of more than 30 watts on DPC contacts.

- (B) With all the terminal pins cleaned and separated from DPC contacts, remove the defective transformer/power relays and install new transformer/power relays making sure all terminal pins are inserted completely. Resolder all terminal contacts carefully.

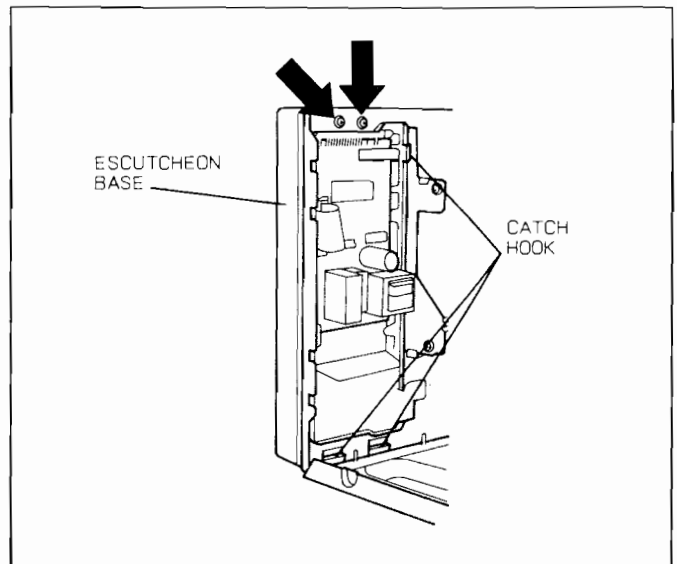


Fig. 18

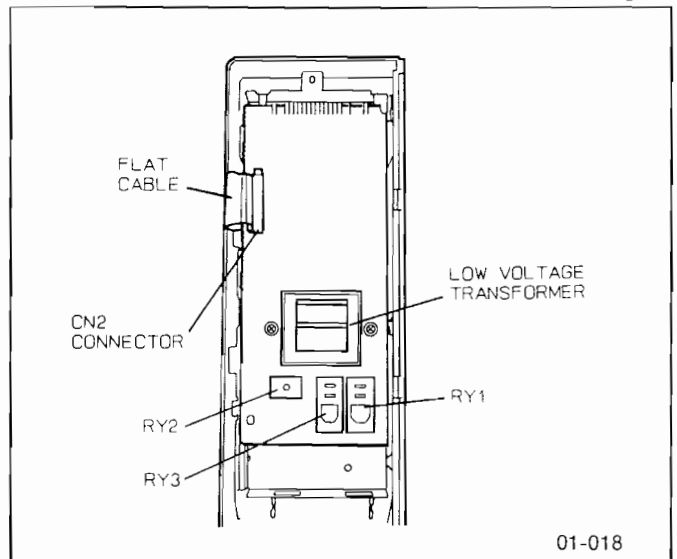


Fig. 19

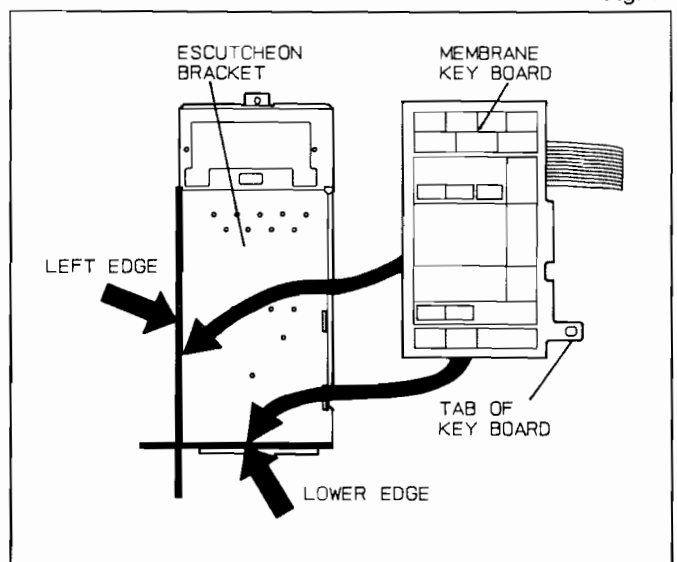


Fig. 20

4. Replacement of the fan motor.

- (A) Disconnect 2 lead wires from fan motor terminals. (Fig. 21)
- (B) Remove noise filter from orifice assy. (Fig. 21)
- (C) Disconnect 4 high voltage lead wires from high voltage capacitor terminals. (Fig. 21)
- (D) Remove 4 screws holding fan motor and orifice assy and detach the orifice assy with fan motor from oven assy. (Fig. 22)
- (E) Remove fan blade from the fan motor shaft by pulling it straight out. (Fig. 23)
- (F) Separate the fan motor from the orifice assy, by freeing 2 catch hooks on the orifice assy. (Fig. 23)

5. Replacement of high voltage capacitor.

- (A) Disconnect 4 high voltage lead wires from high voltage capacitor terminals.
- (B) Remove 2 screws holding the high voltage capacitor. (Fig. 24)

6. Replacement of temp sensor (thermal protector)

- (A) Cut 2 lead wires at the top of sensor terminals. (Fig. 25)
- (B) Remove 1 screw holding the temp sensor and replace with new one. (Fig. 25)
- (C) Solder the lead wires securely to the sensor terminals.

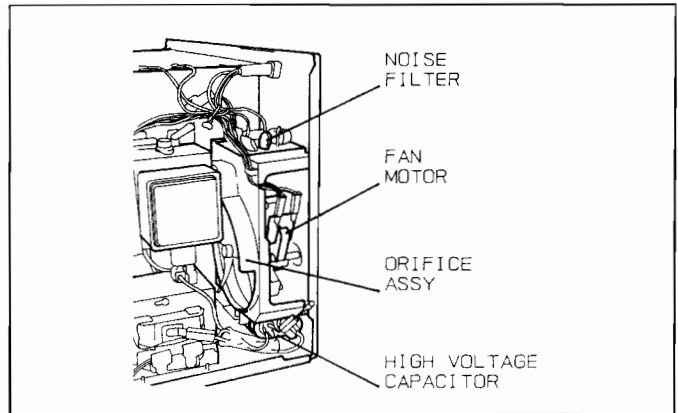
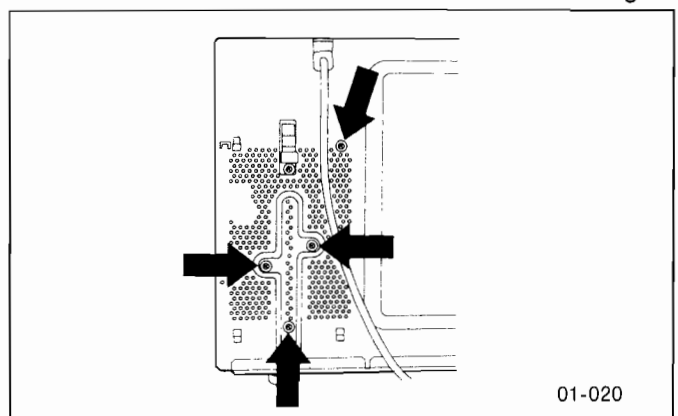


Fig. 21



01-020

Fig. 22

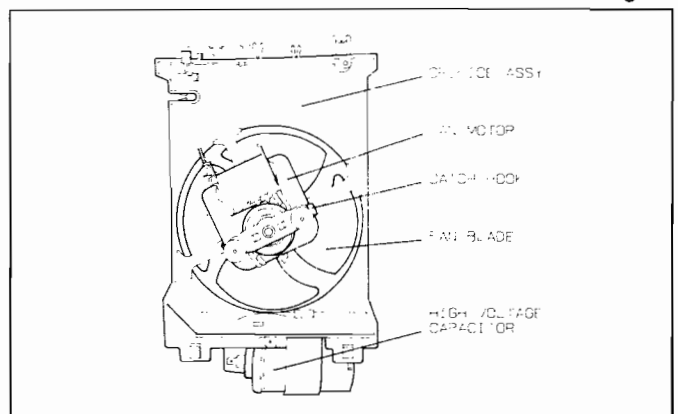


Fig. 23

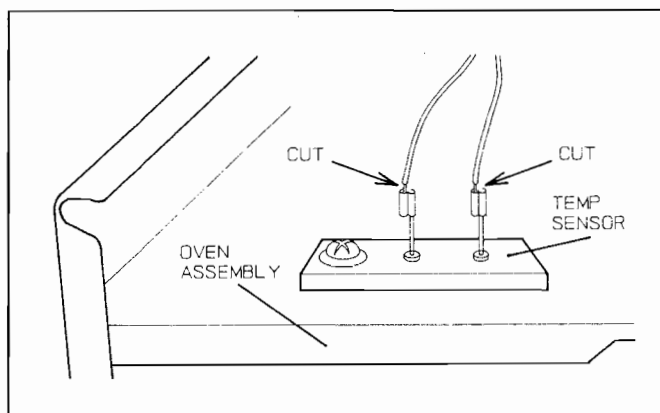


Fig. 25

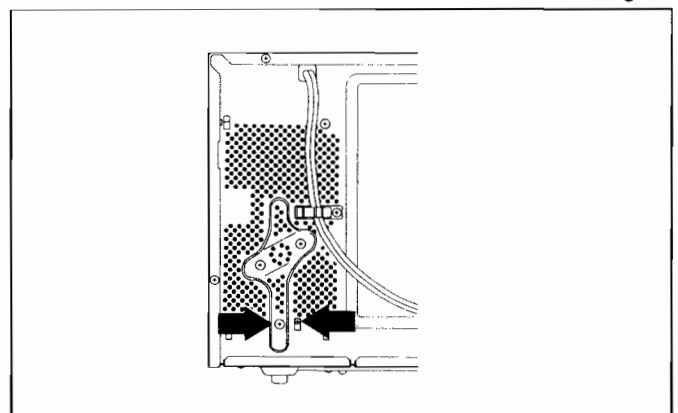


Fig. 24

7. Disassembly of the door assembly

- (A) Open the door and remove door C from door E by carefully pulling outward starting from upper right hand corner. (Fig. 25)
- (B) Remove door key and door key spring. (Fig. 25)
- (C) Remove 3 screws holding side and bottom frames of door A. (Fig. 26)
- (D) Separate the door A from the door E by freeing 6 catch hooks on the door A using a flat screwdriver. (Fig. 26)

8. Replacement of the turntable motor.

- (A) Lay the oven on its as illustrated in Fig. 27.
- (B) Remove 2 screws holding motor cover. (Fig. 27)
- (C) Disconnect 2 lead wires from turntable motor. (Fig. 28)
- (E) Remove 2 screws holding turntable motor. (Fig. 28)

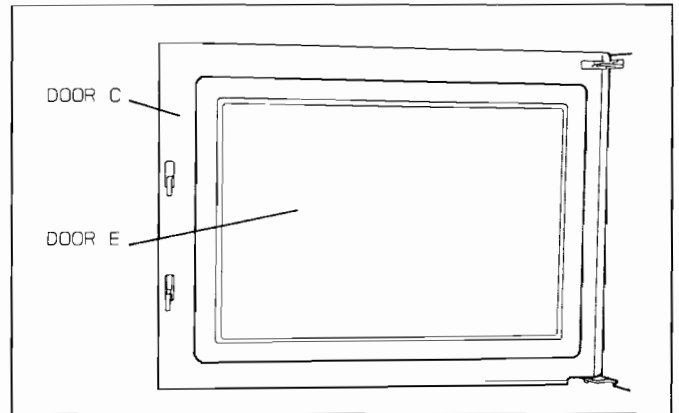


Fig. 26

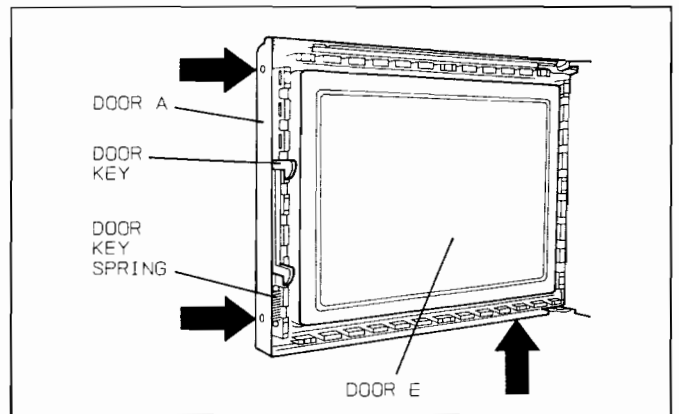


Fig. 27

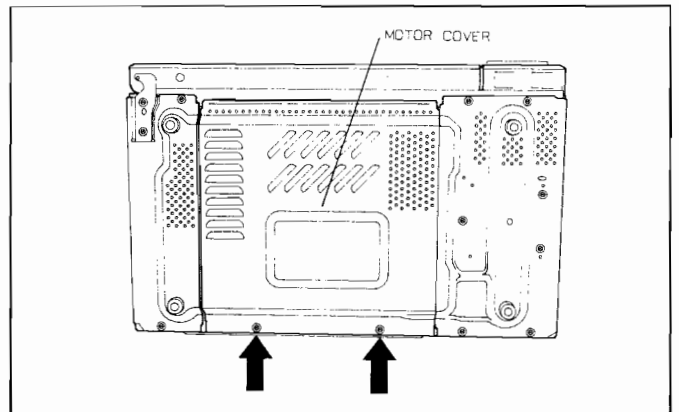


Fig. 28

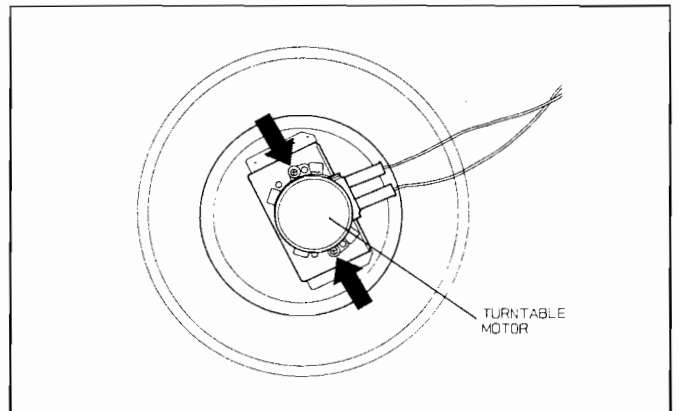


Fig. 29

COMPONENT TEST PROCEDURE

CAUTION

1. High voltage is present at the high voltage terminal of the high voltage transformer during any cook cycle.
2. It is neither necessary nor advisable to attempt measurement of the high voltage.
3. Before touching any oven components, or wiring, always unplug the oven from its power source and discharge the high voltage capacitor. (See page 10.)

1. High voltage transformer (refer to Fig. 30)

- (A) Remove connections from the transformer terminals and check continuity.
- (B) Normal (cold) resistance readings should be as follows:
- | | |
|-----------------------------|------------------------------------|
| Secondary winding | Approx. 90 Ω ~ 130 Ω |
| Filament winding | Approx. 0 Ω |
| Primary winding (0V ~ 240V) | Approx. 0 Ω ~ 3 Ω |

2. High voltage capacitor

- (A) Check continuity of capacitor with ohmmeter on highest OHM scale.
- (B) A normal capacitor will show continuity for a short time, and then indicate 9M Ω once the capacitor is charged.
- (C) A shorted capacitor will show continuous continuity.
- (D) An open capacitor will show constant 9M Ω .
 ((Due to internal 9M Ω resistor))
- (E) Resistance between each terminal and chassis should be infinite.

3. Diode

- (A) Isolate the diode assembly from the circuit by disconnecting the leads.
- (B) 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-to-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 (Fig. 31)

- Continuity checks can only indicate an open filament or a shorted magnetron. To diagnose for an open filament or shorted magnetron
- (A) Isolate magnetron from the circuit by disconnecting the leads.
- (B) A continuity check across magnetron filament terminals should indicate one ohm or less.
- (C) A continuity check between each filament terminal and magnetron case should read open.

5. Membrane key board (Membrane switch assembly)

- Check continuity between switch terminals, by pressing an appropriate pad on the key board.
 The contacts assignment of the respective pads on the key board is as shown in digital programmer circuit.

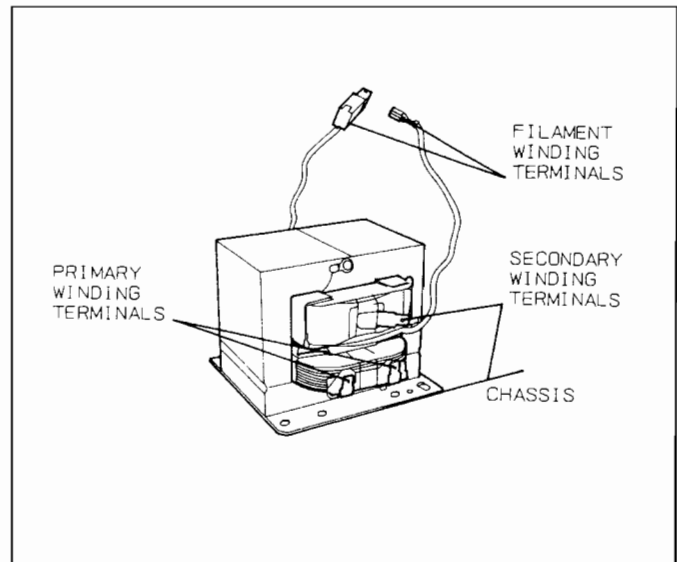


Fig. 30

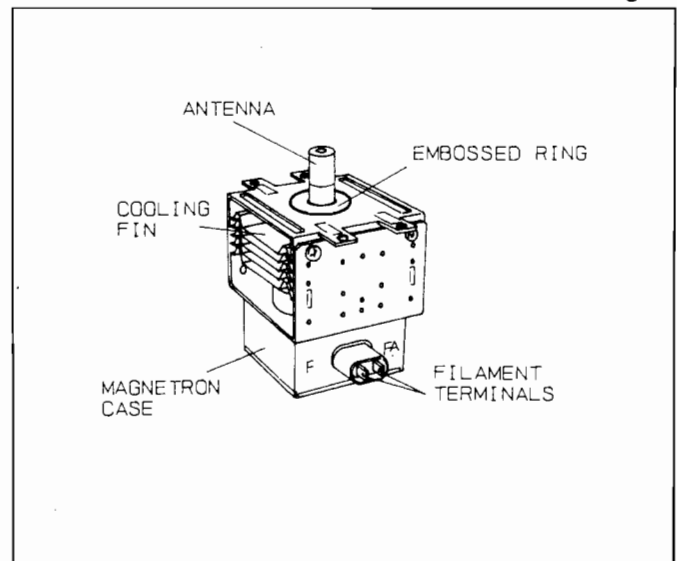


Fig. 31

6. Humidity Sensor and digital programmer circuit (NN-6808/6858)

CAUTION

Do not touch any parts of the circuitry on the digital programmer circuit since static electric discharge may damage this control panel. Always ground yourself while working on this panel to discharge any static charge built up on your body.

- (A) Check across sensor heater terminals. Normal cold resistance should read approx. 6 ohm.
- (B) In order to determine if the Auto Sensor function of the digital programmer circuit is in working order or not, do the following test.
- 1) Place a water load in the oven.
 - 2) Unsolder two yellow wires connected to sensor terminals.
 - 3) Tap Auto Sensor Cook Pad five times to set auto sensor cooking at A5 and tap Start Pad.
 - 4) About 10 seconds after Start Pad is touched, short shielded wires for 5 seconds and then remove them. Before shorting the shielded wires you can watch the sensor heater glow red.
 - 5) The oven lamp will dim a little, about 60 seconds after the Start Pad is tapped. This indicates that magnetron has started oscillation again.
 - 6) After approx. 15 seconds, short the shielded wires again.
 - 7) A5 should disappear in display window and following digits (see chart) should appear indicating **balance of cooking time (T2 TIME). The time should start to count down and oven should shut off when the time has elapsed.

	** T2 TIME (balance of cooking time)
10 sec.~19 sec.	2 min.
20 sec.~29 sec.	2 min. 30 sec.

The Auto Sensor function in the digital programmer circuit is working in order if above condition is obtained.

7. Variable power controller (Fig. 33) (NN-6258)

- (A) Isolate variable power switch from the circuit by disconnecting 2 leads.
- (B) In order to check if variable power controller is operating normally, follow the test procedures below.
- (1) Select any power other than "High" and start the oven.
 - (2) Check continuity between both terminals of the variable power switch.
 - (3) Variable power controller (timer and variable power switch) is working properly if the ohm meter reads open and 0 ohm within 36 ± 2 seconds interval as shown in Fig. 3 on page 7.

8. Protector diode (Fig. 34)

- (A) Isolate the protector diode assembly from the circuit by disconnecting its leads.
- (B) With the ohmmeter set on the highest resistance scale, measure the resistance across the protector diode terminals. Reverse the meter leads and again observe the resistance reading. A normal protector diode's resistance will be infinite in both directions. It is faulty if it shows continuity in one or both directions.

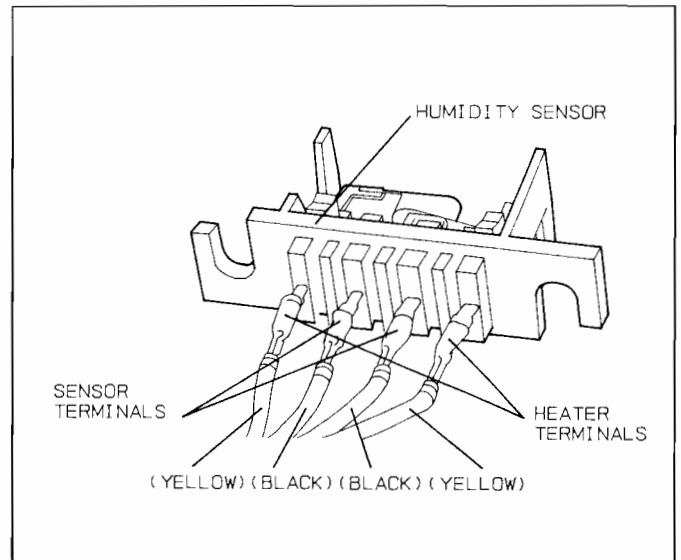


Fig. 32

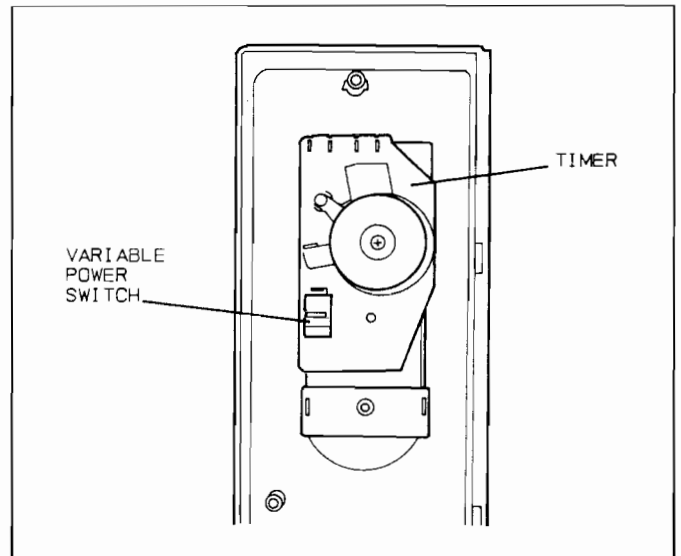


Fig 33

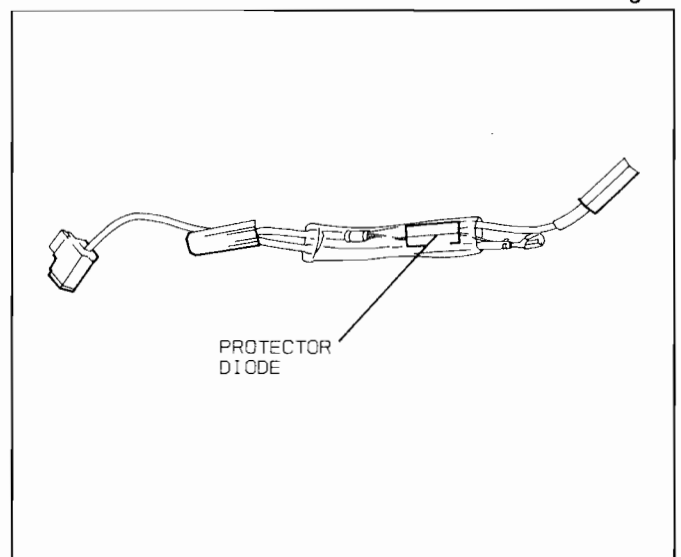


Fig. 34

MEASUREMENTS AND ADJUSTMENTS

1. Adjustment of safety switch A, safety switch B and short switch

(A) When mounting the safety switch A, safety switch B and short switch to the door hook assembly, mount the safety switch A, safety switch B and short switch to the door hook assembly as shown in Fig. 35.

NOTE: No specific adjustment during installation of safety switch A, safety switch B and short switch to the door hook is necessary.

(B) When mounting the door hook assembly to the oven assembly, adjust the door hook by moving it in the direction of arrow in Fig. 36 so that the oven door will not have any play in it. Check for play in the door by pulling the door assembly. Make sure that the latch keys move smoothly after adjustment is completed. Securely tighten the screws holding the door hook assembly to the oven assembly.

2. Measurement of microwave output

The power output of the magnetron can be determined by performing a simple water heating test as described below.

Necessary Equipment:

*Two 1 litre beakers *Glass thermometer

*Wrist watch or stopwatch

NOTE: Check the line voltage under load. Low voltage will lower the magnetron output. Take the temperature readings and heating time as accurate as possible.

(A) Fill each beaker with exactly one litre of tap water. Stir the water using the thermometer and record each beaker's temperature (recorded as T1A and T1B).

(B) Place both beakers on the center of glass cook plate.

Set the oven for High power and heat it for exactly two minutes.

(C) Stir the water again and read the temperature of each beaker (recorded as T2A and T2B).

(D) Obtain the temperature rise by using the following formula:

$$\text{Average temperature rise} = \frac{(T2A + T2B) - (T1A + T1B)}{2}$$

The normal temperature rise for these models should be 8.9° to 11°C at the "High" power selection with the oven operating at the specified line voltage.

(E) To obtain the power output, multiply the average temperature rise by 70.

Example:

If you find average temperature rise of 10°C, the ovens output is $10 \times 70 = 700$ watts.

NOTE: This test may be conducted by heating one litre of water for one minute if only one beaker is available. In this instance you will find the temperature rise being smaller than the above specifications due to the microwave absorption characteristic. You may judge the magnetron to be normal when the temperature rise is greater than 7.5°C.

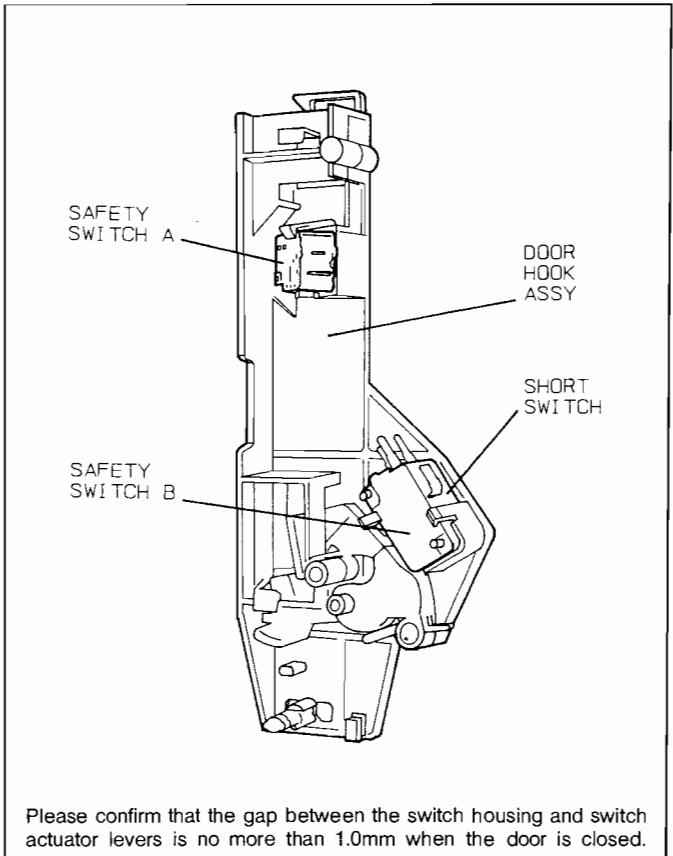


Fig. 35

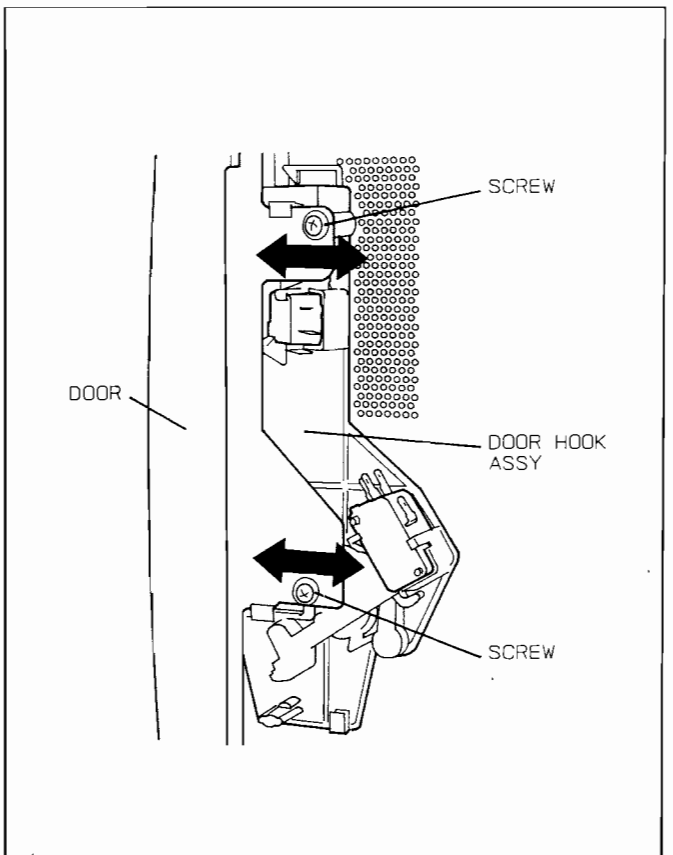


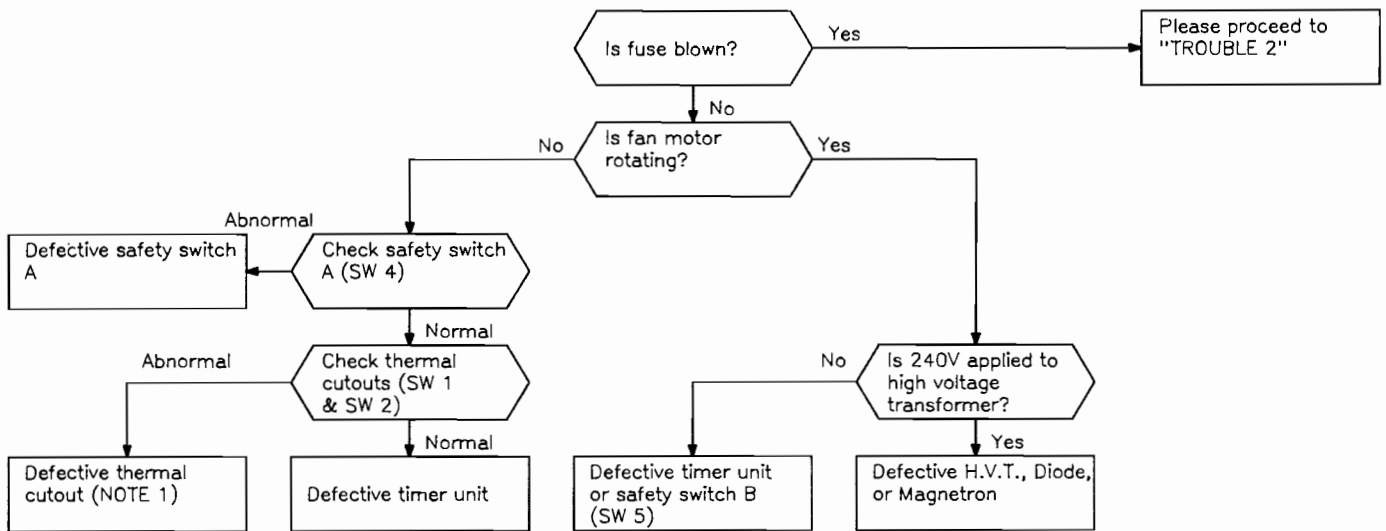
Fig. 36

TROUBLESHOOTING GUIDE (NN-6258)

CAUTION

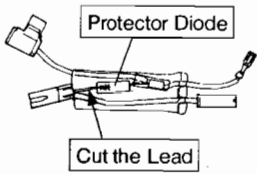
1. Check grounding before checking for trouble.
2. Be careful of the high voltage circuit.
3. Discharge the high voltage capacitor. (See page 10.)
4. When checking the continuity of the switches or of the high voltage transformer, disconnect one lead wire from these parts and then check continuity with the AC plug removed. To do otherwise may result in a false reading or damage to your meter.
5. 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.

【TROUBLE 1】 Oven does not operate at all.

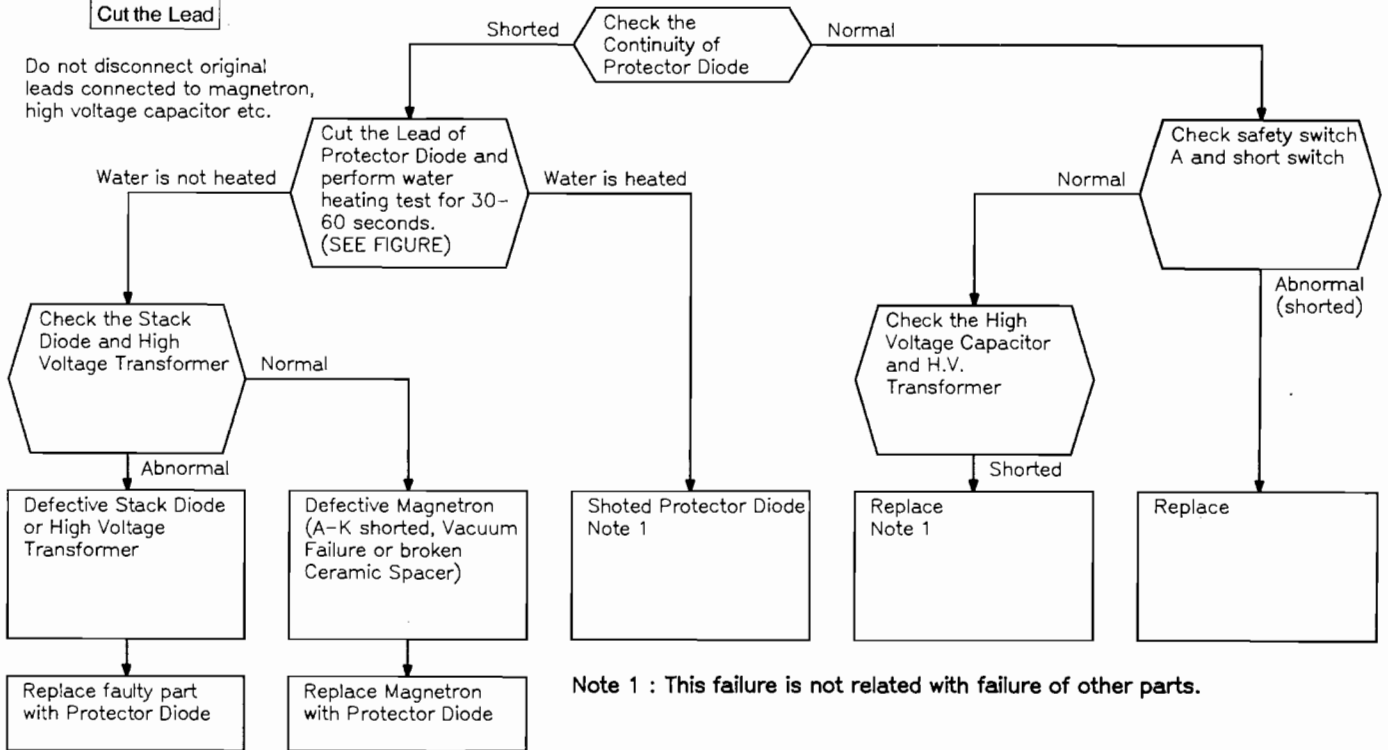


NOTE 1: Check fan motor when magnetron thermal cutout is defective.

【TROUBLE 2】 Fuse is blown.



Do not disconnect original leads connected to magnetron, high voltage capacitor etc.



TROUBLE 3 Other troubles

CONDITIONS	POSSIBLE CAUSE	NOTE
Microwave output power is low. First of all, check if output power is really low by following "Measurement of microwave output" on page 21.	1. Decrease in power source voltage. 2. Aging change of magnetron.	


TROUBLESHOOTING GUIDE (FOR TOUCH CONTROL MODELS)

CAUTION

1. Check grounding before checking for trouble.
2. Be careful of the high voltage circuit.
3. Discharge high voltage capacitor. (See page 10.)
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.
5. Do not touch any parts of the circuitry on the digital programmer circuit since static electric discharge may damage this control panel.

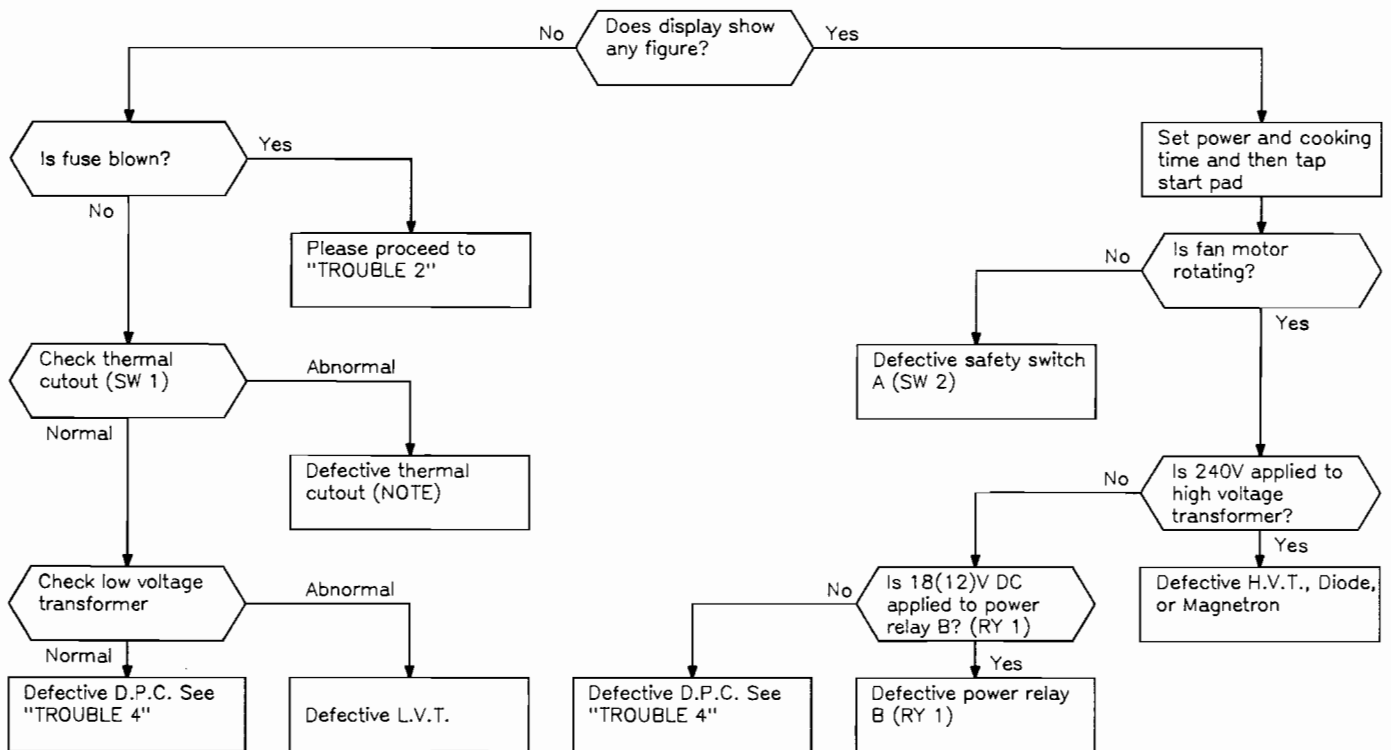
Always touch yourself to ground while working on this panel to discharge any static charge in your body.

6. 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.

7. A 240V AC is present at the shaded area  of the digital programmer circuit (Terminals of power relay and primary circuit of low voltage transformer). When troubleshooting, be cautious of possible electrical shock hazard.

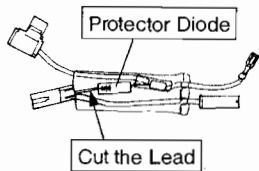
First of all operate the microwave oven following the correct operating procedures described on pages 27 ~ 30 in order to find the exact cause of any trouble.

【TROUBLE 1】 Oven does not start cooking

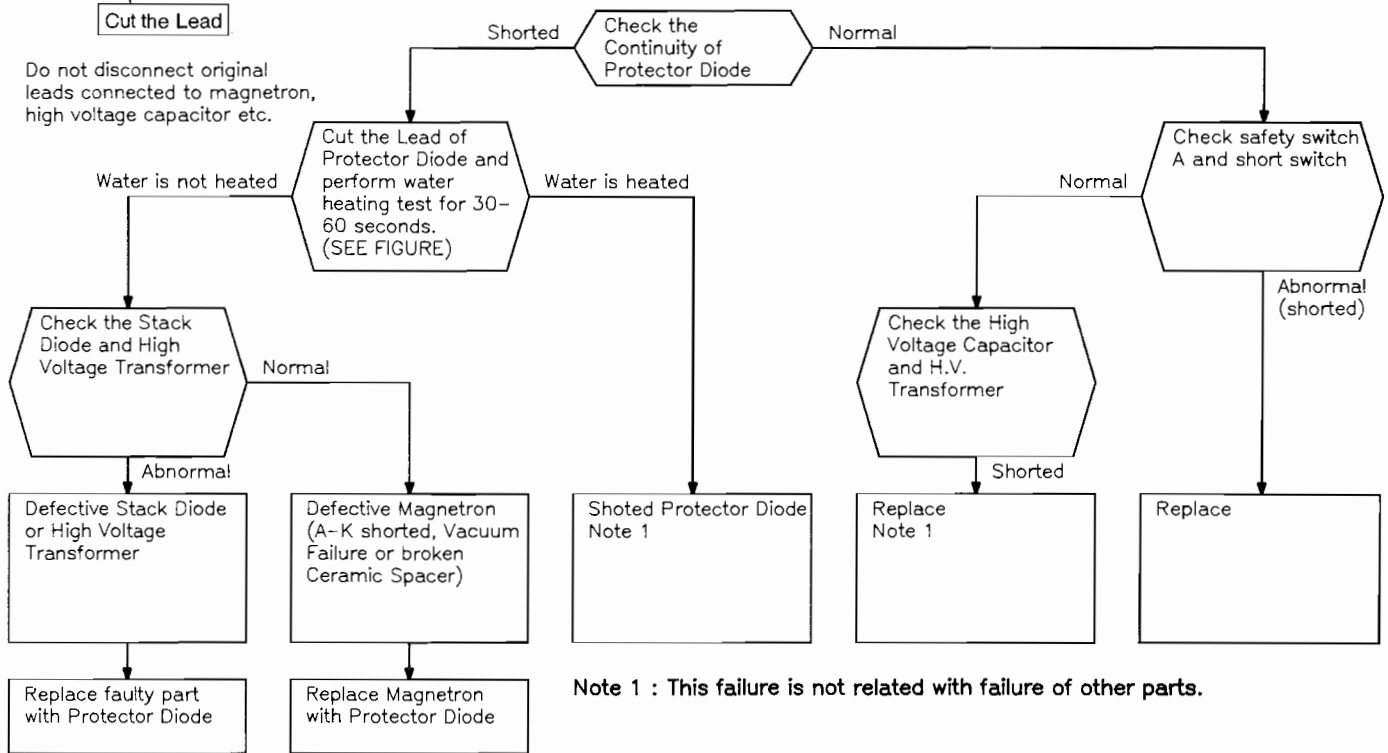


NOTE: Check fan motor when thermal cutout is defective.

【TROUBLE 2】 Fuse is blown.



Do not disconnect original leads connected to magnetron, high voltage capacitor etc.

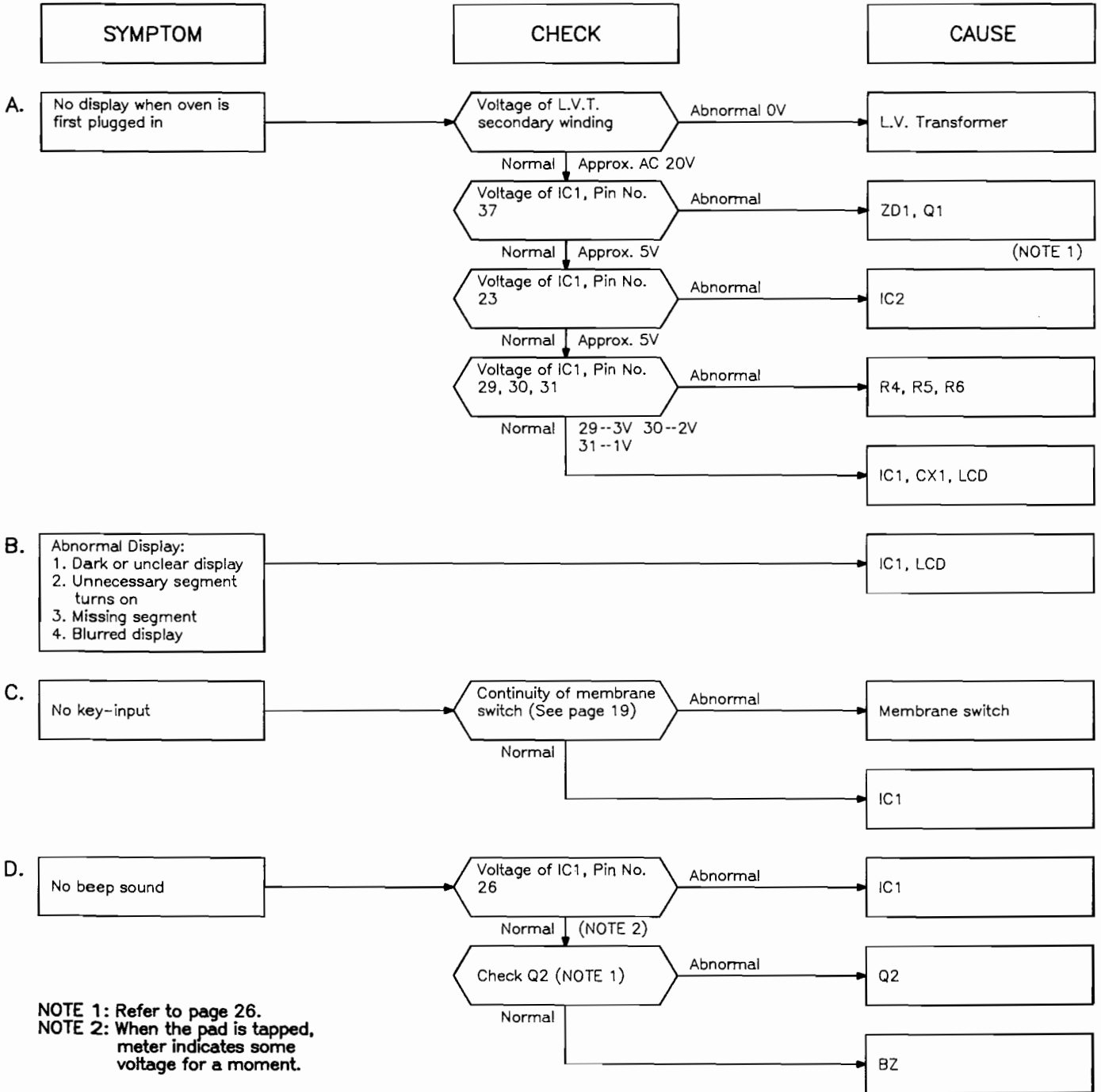


TROUBLE 3 Other troubles

CONDITIONS	POSSIBLE CAUSE	NOTE
Microwave output power is low. First of all, check if output power is really low by following "Measurement of microwave output" on page 17.	1. Decrease in power source voltage. 2. Aging change of magnetron.	
Oven lamp and fan motor turn on when door is open.	1. Shorted contacts of safety switch A.	
Oven lamp and fan motor turn on when power supply cord is plugged into wall receptacle.	1. Open safety switch B. 2. Shorted contacts of power relay A. (RY2) 3. Defective digital programmer circuit. (See trouble 4)	
Microwave oven does not operate normally, when auto sensor cooking is selected. (NN-6808/6858)	1. Open or loose wiring of sensor terminals from DPC. 2. Defective humidity sensor. 3. Defective DPC. (See trouble 4—G, H on page 29.)	

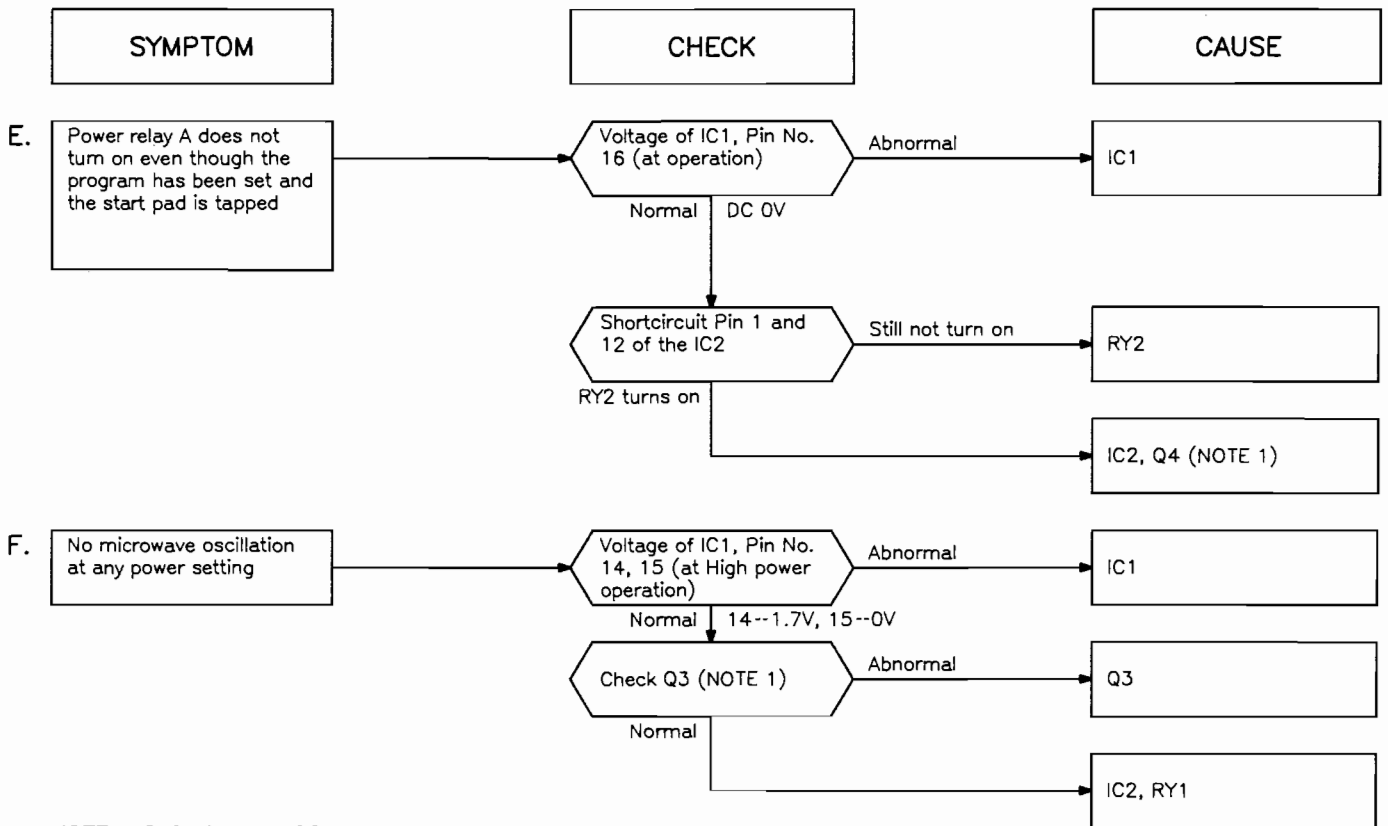
FOR LCD MODELS

【TROUBLE 4】 Troubles related to Digital Programmer Circuit. (Refer to schematic diagram on page 36.)



NOTE 1: Refer to page 26.

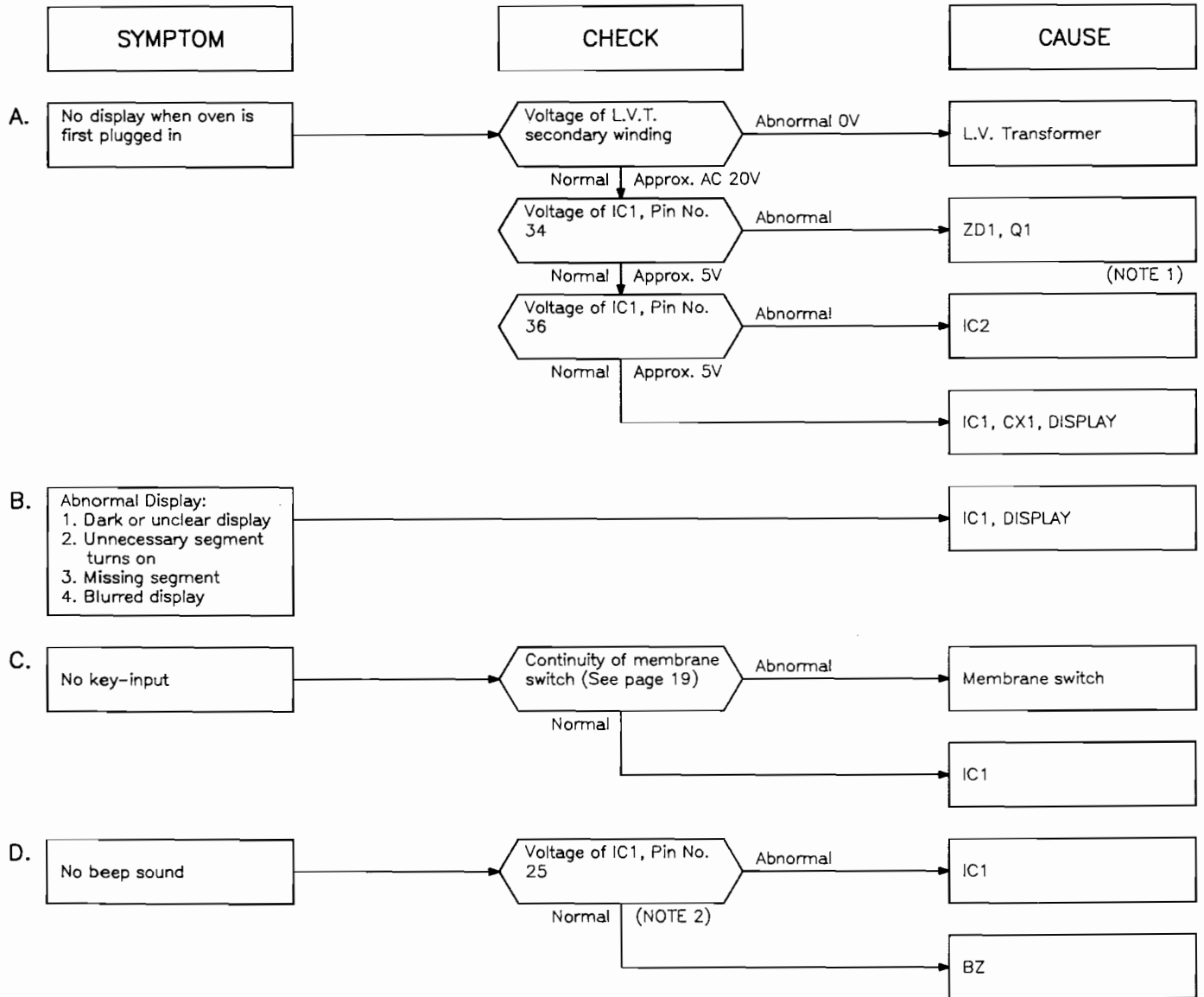
NOTE 2: When the pad is tapped, meter indicates some voltage for a moment.



NOTE 1: Refer to page 26.

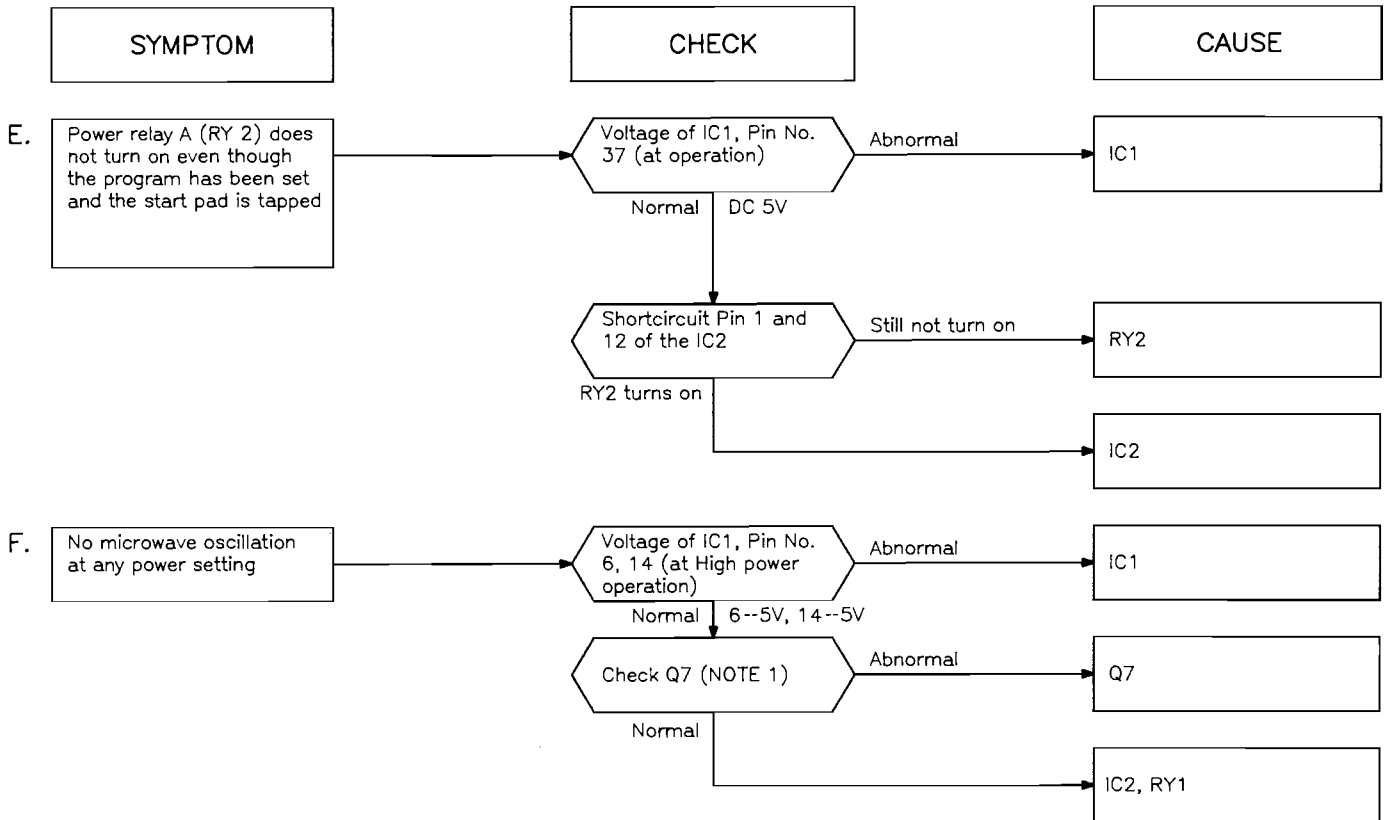
FOR FLUORESCENT DISPLAY MODELS

【TROUBLE 4】 Troubles related to Digital Programmer Circuit. (Refer to schematic diagram on page 40&44.)



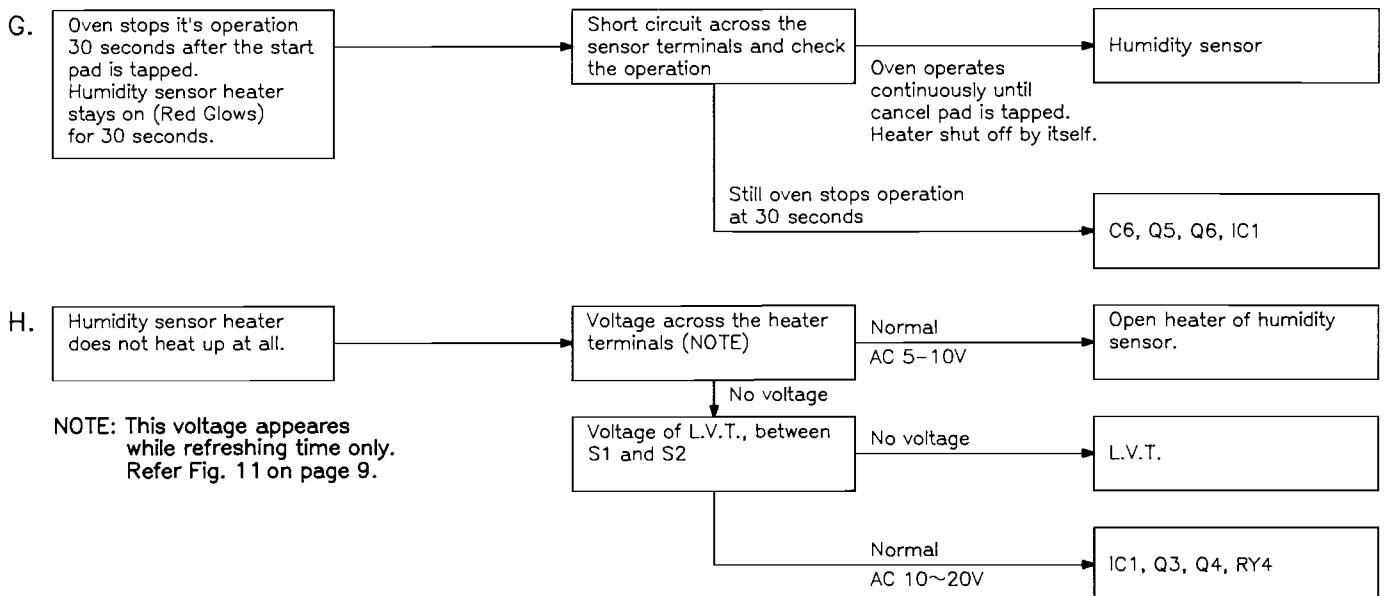
NOTE 1: Refer to page 26.

NOTE 2: When the pad is tapped, meter indicates some voltage for a moment.



NOTE 1: Refer to page 26.

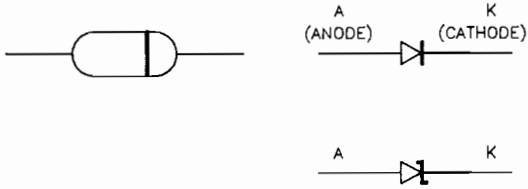
TO BE CONTINUED FOR AUTO SENSOR MODELS (Refer to schematic diagram on page 44.)



NOTE: This voltage appears while refreshing time only. Refer Fig. 11 on page 9.

HOW TO CHECK THE SEMICONDUCTORS USING AN OHM METER

Diode



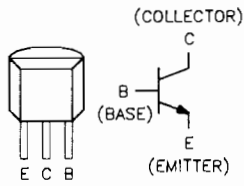
	FORWARD	REVERSE
A-K	SMALL	∞

Transistor

NPN Transistor

2SC.....

2SD.....

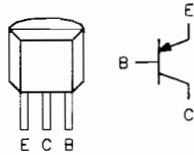


	FORWARD	REVERSE
B-E	SMALL	∞
B-C	SMALL	∞
C-E	∞	∞

PNP Transistor

2SA.....

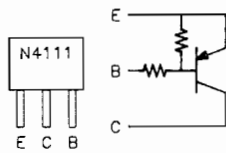
2SB.....



	FORWARD	REVERSE
E-B	SMALL	∞
C-B	SMALL	∞
C-E	∞	∞

Digital Transistor

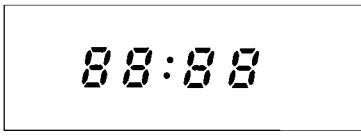

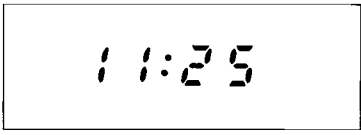
PNP Transistor




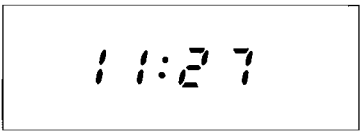
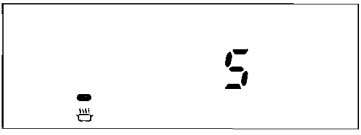
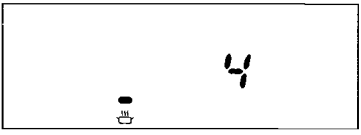

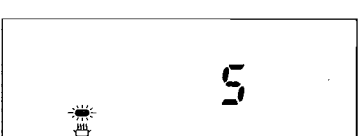
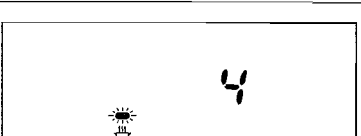
	FORWARD	REVERSE
E-B	10k Ω ~ 30k Ω	10k Ω ~ 30k Ω
C-B	50k Ω ~ 90k Ω	∞
C-E	40k Ω ~ 80k Ω	∞



DIGITAL PROGRAMMER CIRCUIT TEST PROCEDURE

1. Clock Setting



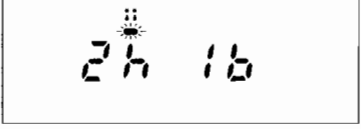

STEP	OPERATION	FUNCTION	DISPLAY
1	Plug the power supply cable into wall receptacle.	• "88:88" appears.	
2	Tap Clock Pad.	• Colon starts blinking.	
3	Enter time of day (TOD) by tapping appropriate number pads. Example : To Set 11 : 25 • Tap 10 min pad once • Tap 1 min pad once • Tap 10 sec pad twice • Tap 1 sec pad 5 times	• Numbers tapped are displayed in the display window. • Colon keeps blinking.	
4	Tap Clock Pad.	• Colon stops blinking and stays on. • TOD has now been registered into the digital programmer circuit and will count up by minutes.	

2. Time Cooking/Three Stage Cooking

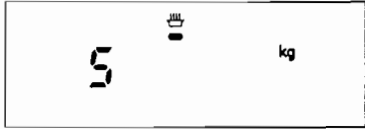


STEP	OPERATION	FUNCTION	DISPLAY
1	Place a water load in the oven.		
2	Tap Power Pad.(Example : Tap power select pad once for high power setting.)	• Clock time disappears. • "HIGH" power indicator light turns on.	
3	Tap Stop/Cancel Pad.	• The display window will show TOD again.	
4	Select "HIGH" power and set for 5 seconds by tapping the appropriate pads. (1st stage)	• Clock time disappears. • "HIGH" Power indicator light turns on. • Display window shows "5".	
5	Set MEDIUM power for 4 seconds. (2nd stage)	• First stage cooking time "5" and "HIGH" power indicator light disappear. • "MEDIUM" power indicator light turns on. • Display window shows "4".	
6	Set SIMMER power for 1 minute. (3rd stage)	• Second stage cooking time "4" and "MED" power indicator light disappear. • "SIMMER" power indicator light turns on. • Display window shows "1 00".	
7	Tap Start Pad. (1st stage)	• Oven light turns on. • Microwave activity starts. • Third stage cooking time disappears. • Turntable begins to rotate. • First stage cooking time "5" appears and counts down by seconds. • "HIGH" (1st stage) power indicator light begins to blink.	
8	(2nd stage)	• After completing 1st stage program, oven automatically switches to 2nd stage. • HIGH (1st stage) power indicator light turns off. • MEDIUM (2nd stage) power indicator light starts to blink. • Display window indicates "4" and starts counting down by seconds.	

STEP	OPERATION	FUNCTION	DISPLAY
9	(3rd stage)	<ul style="list-style-type: none"> • After completing 2nd stage program, oven automatically switches to 3rd stage. • MEDIUM (2nd stage) power indicator light turns off. • SIMMER (3rd stage) power indicator light starts to blink. • Display indicates "1 00" and starts counting down by seconds. 	 
10	When third stage cooking ends, oven beeps five times and shuts off automatically.		• TOD appears in display window.


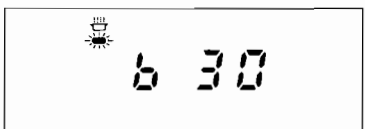
3. Auto Weight Defrost (NN-6808/6858)

STEP	OPERATION	FUNCTION	DISPLAY
1	Tap Auto Weight Defrost Pad three times to select Defrost Category 3.	<ul style="list-style-type: none"> • Clock time disappears. • Category number "3" appears in the display window. • Auto Weight Defrost indicator light turns on. • "kg" appears in the display window. 	
2	Set the weight for 3 kg by tapping 1.0 kg pad three times.	<ul style="list-style-type: none"> • Category number "3" disappears and the weight selected appears in the display window. 	
3	Tap Start Pad.	<ul style="list-style-type: none"> • Oven light turns on. • Microwave defrosting begins. • Auto Weight Defrost indicator light begins to blink. • Turntable begins to rotate. • Weight in display window disappears. • Defrosting time "2h 16" NN-6808/6858 "2h 15" for NN-6558/6568 appears and counts down. <p>NOTE: The defrosting time appears in the display may slightly vary between models NN-6808/6858 and NN-6558/6568. See time charts (Fig. 9A & Fig. 9B) for applicable defrosting time by weight.</p>	<p>NN-6808/6858</p>  <p>NN-6558/6568</p> 
4	Tap Stop/Cancel Pad twice.	<ul style="list-style-type: none"> • Oven shuts off. • The display window will show TOD again. 	

4. Auto Weight Cook (NN-6558/6568)

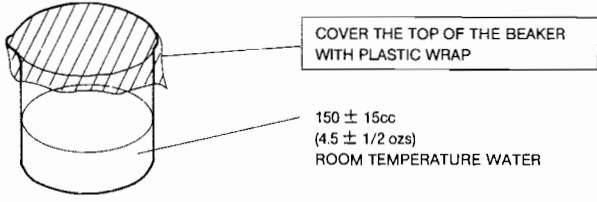
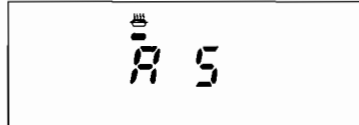

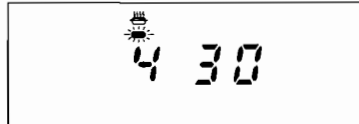
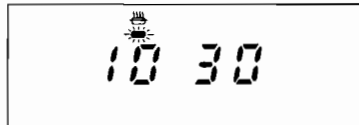
STEP	OPERATION	FUNCTION	DISPLAY
1	Tap Auto Weight Cook Pad 5 times to select Cook Category 5.	<ul style="list-style-type: none"> • Clock time disappears. • Category number "5" appears in the display window. • Auto Weight Cook indicator light turns on. • "kg" appears in the display window. 	
2	Set the weight for 3 kg by tapping 1.0 (kg) pad 3 times.	<ul style="list-style-type: none"> • Category number "5" disappears and the weight selected appears in the display window. 	
3	Tap Start Pad	<ul style="list-style-type: none"> • Oven light turns on. • Microwave cooking begins. • Auto Weight Cook indicator light begins to blink. • Turntable begins to rotate. • Weight in display window disappears. • Cooking time "1h 17" appears and counts down. 	
4	Tap Stop/Cancel Pad 2 times.	<ul style="list-style-type: none"> • Oven shuts off. • The display window will show TOD again. 	

5. Auto Reheat (NN-6558/6568/6308/6358)

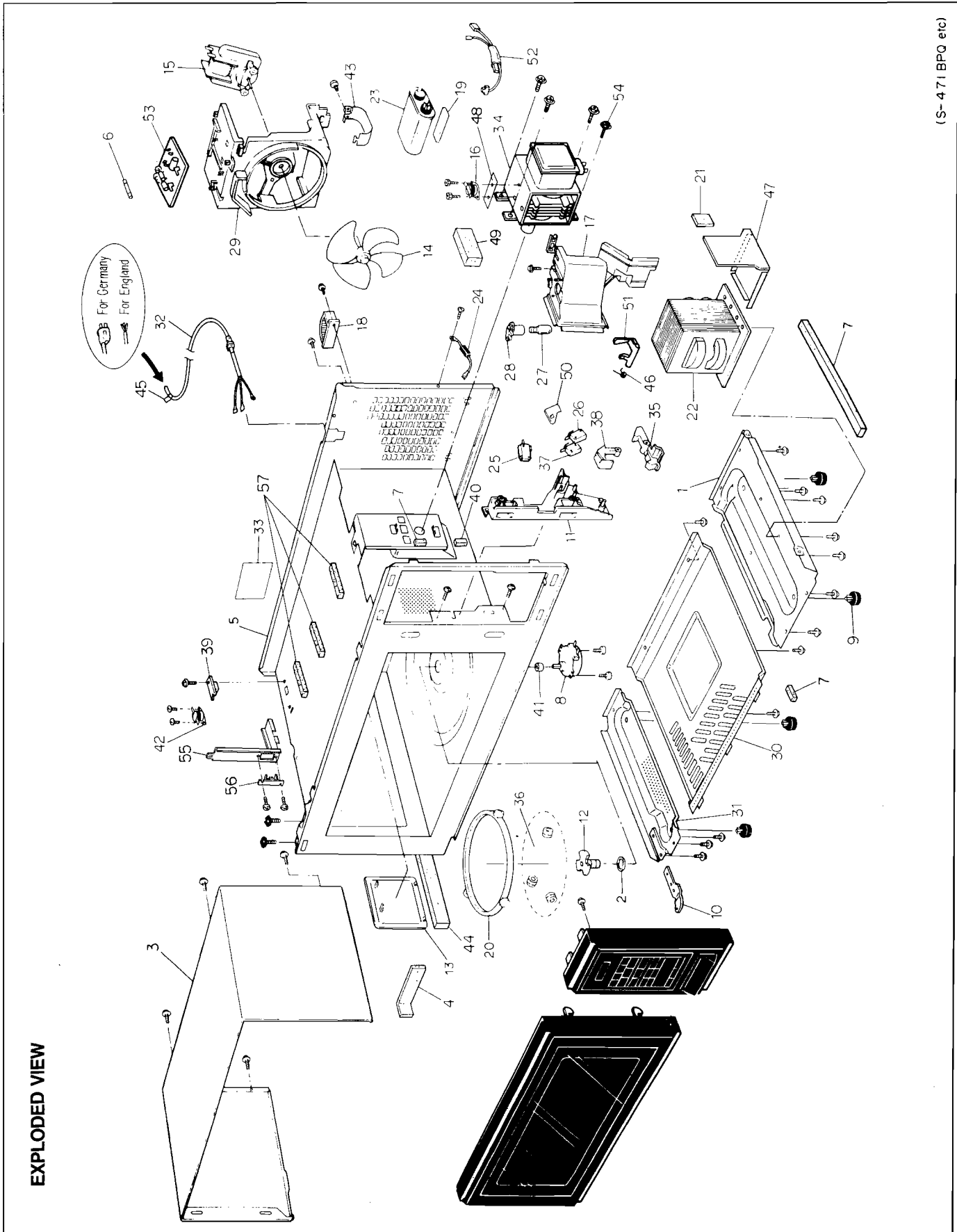
STEP	OPERATION	FUNCTION	DISPLAY
1	Tap Auto Reheat Control 1-Casserole pad 4 times.	<ul style="list-style-type: none"> • Clock time disappears. • Category number "1" appears in the display window. • Auto reheat indicator light turns on. • Auto reheat serving indicator light turns on. • Serving number "4" appears in the display window. 	
2	Tap start pad.	<ul style="list-style-type: none"> • Oven light turns on. • Microwave cooking begins. • Category number "1", serving number "4" and serving indicator light disappear. • Auto reheat indicator light begins to blink. • Cooking time "6 30" appears and counts down. 	

6. Auto Sensor Cooking (NN-6808/6858)

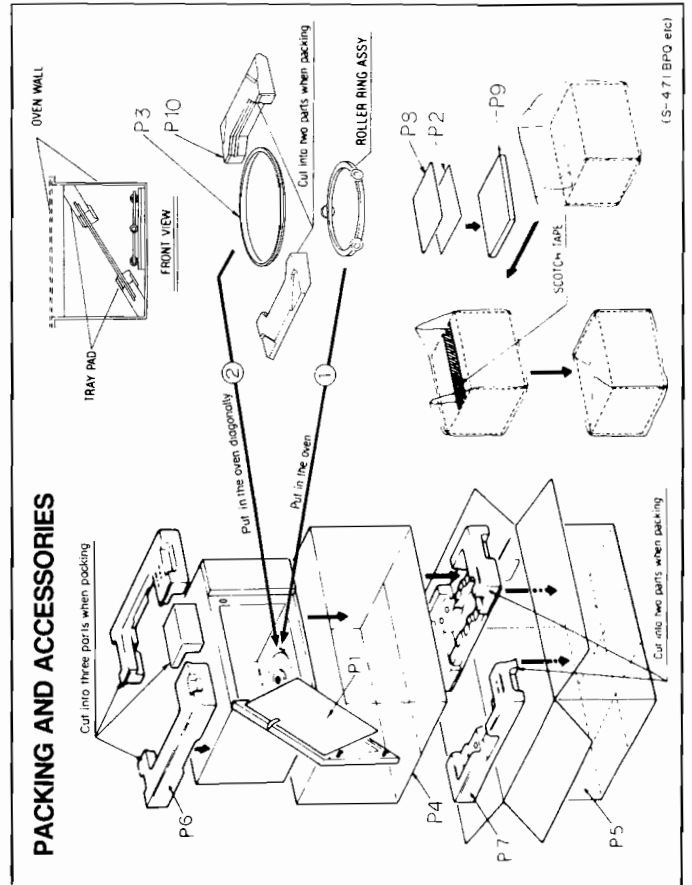
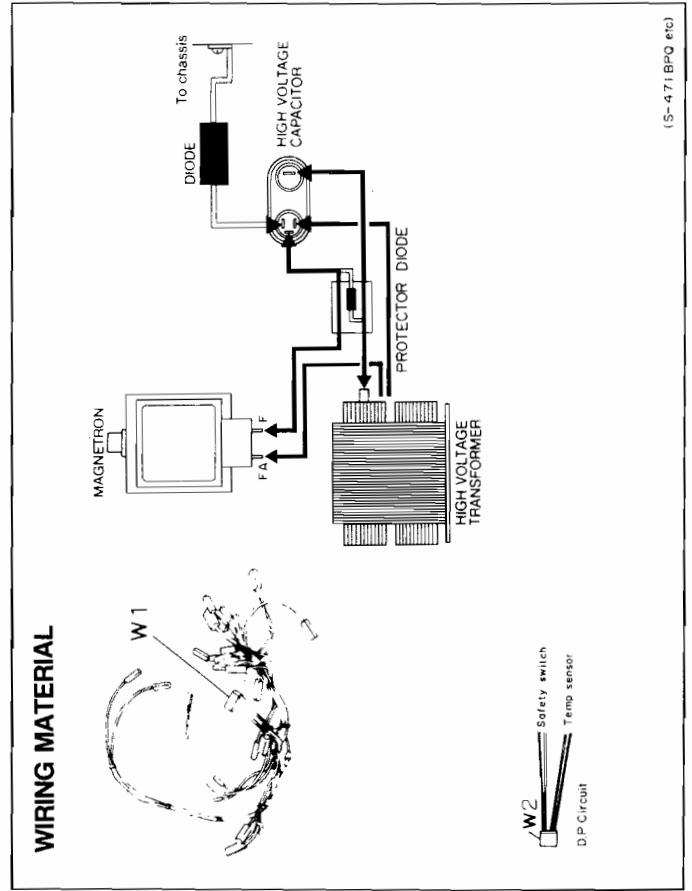
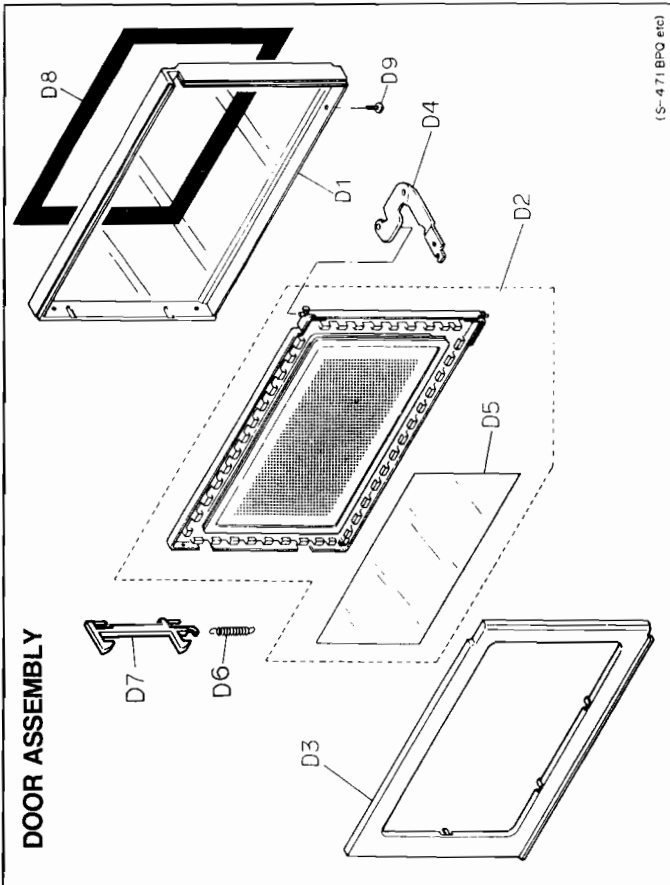
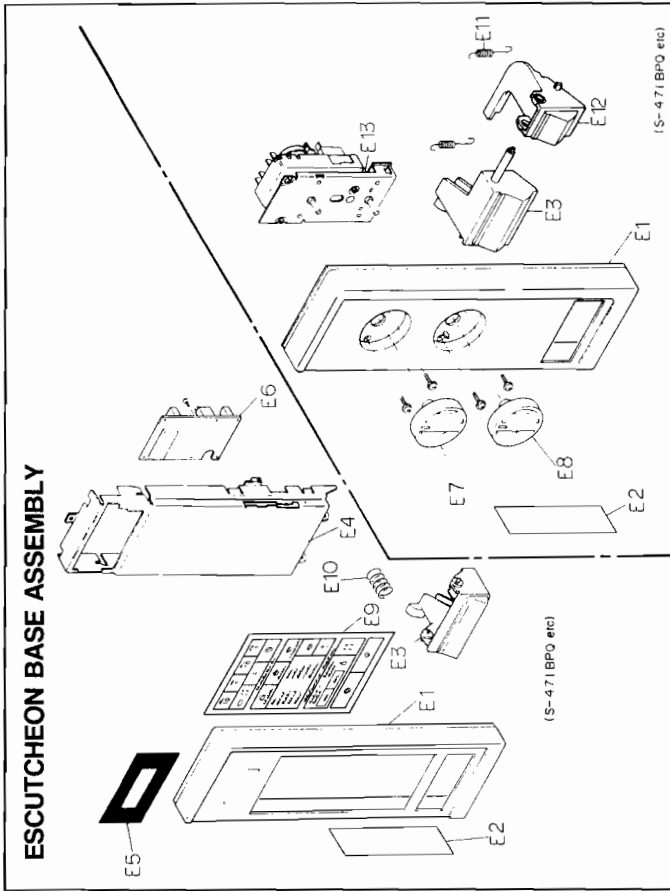
NOTE: Make sure that the outer panel is installed before Auto Sensor Cooking Test, since Auto Sensor function does not operate properly without the outer panel.

STEP	OPERATION	FUNCTION	DISPLAY
1	Pour $150 \pm 15\text{cc}$ ($4.5 \pm 1/2$ ozs) of room temperature water in a beaker, securely cover the top of the beaker with plastic wrap and place the beaker in the center of the oven.		
2	Tap Auto Sensor "COOK" Pad 5 times.	<ul style="list-style-type: none"> • Clock time disappears. • "A5" appears in display window. • Auto Sensor Cooking indicator light turns on. 	
3	Tap Start Pad.	<ul style="list-style-type: none"> • Auto sensor cooking indicator light starts to blink. • Oven lamp turns on. • Fan motor and turntable start rotating. • Oven lamp will dim a little, about 60 seconds after Start Pad is tapped. This indicates that magnetron has started oscillation. 	
	<p>The humidity sensor detects steam about 2 to 4 minutes after the Start Pad is tapped. Auto Sensor Cooking (T1) automatically switches to time cooking (T2). "A5" disappears with beep sounds and the remainder of cooking time appears in display window.</p> <p>NOTE: Cooking time will vary depending on the water temperature, the shape of beaker or the power source voltage.</p>	<ul style="list-style-type: none"> • Auto Sensor Cooking automatically switches to time cooking. • "A5" disappears, two beeps sound, and 4 30 to 10 30 appears in the display window as balance of cooking time. 	  <p>NOTE : If 4 30 to 10 30 appears, AUTO SENSOR FUNCTION is normal.</p>
		<ul style="list-style-type: none"> • When the balance of cooking time has elapsed, oven stops and beeps five times. • Auto sensor cooking indicator light and oven lamp turn off. • TOD reappears in the display window. • Finally check to make sure if TOD is correct. 	

EXPLODED VIEW AND PARTS LIST



(S-471 BPQ etc)



PARTS LIST

NOTE 1: When ordering replacement part(s), please use part number(s) shown in this parts list. Do not use description of the part.

2: Important safety notice:

Components identified by \triangle mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

3: Items marked ※ are supplied by MELUK.

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
1	A10014650AP	Base	1	
2	ANE2177-F80	Washer	1	
3-1	A10094760HGP	Outer panel assy	1	NN-6258, NN-6358, NN-6558, NN-6858
3-2	A10094760GP	Outer panel assy	1	NN-6308, NN-6808
3-3	A10094760GGP	Outer panel assy	1	NN-6568
4	ANE0902000DH	Cushion rubber A	1	
5	A200A4760BP	Oven assy	1	
6	\triangle ANE6230Z70BP	Fuse	1	(8A)
7	ANE000Z000AA	Cushion rubber A	3	
8	\triangle A63264760JP	Turntable motor	1	(3W)
9	ANE1008-3W0	Rubber foot	4	
※ 10	E30074000AP	Lower hinge	1	
11	A30204310AG	Door hook A	1	
12	A21314650AP	Pulley shaft	1	
※ 13	E20554080BP	Cover A	1	
14	ANE40086W0AP	Fan	1	
15	\triangle A400A4760JP	Fan motor	1	(26W)
16	\triangle A61454760JP	Thermal cutout	1	For Magnetron
17	A40254760JP	Air guide A	1	
※ 18	AEE1140X70AP	Stopper A	1	
19	ANE0902000DJ	Cushion rubber A	1	
20	A290D4650AP	Roller ring assy	1	
21	ANE0902000ED	Cushion rubber A	1	
22	\triangle A600B4760BP	H.V.Transformer	1	(1.5KVA)
23	\triangle A60904080GP	H.V.Capacitor	1	(1.14 μ F, AC2100V)
24	A62024000AP	Diode	1	(S)
25,26	\triangle ANE61422Q0BP	Switch	2	Safety switch A, B (AV53406) NN-6258
25	\triangle ANE61422Q0BP	Switch	1	Safety switch A (AV53406) NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858
26	\triangle A61424650AP	Switch	1	Safety switch B (L-3C2-MR) NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858 (240V, 20W)
27	A60304080BP	Oven lamp	1	
28	\triangle ANE6152110AG	Oven lamp socket	1	
29	A41444740AP	Orifice	1	
30	A10264740AP	Base C	1	
31	A11294000AP	Base B	1	
32-1	\triangle A90244710BP	Power supply cord	1	For England
32-2	\triangle A900C4760GP	Power supply cord	1	For Germany
※ 33	E00064080BP	Warning label	1	
34	\triangle 2M210-M1	Magnetron	1	
35	A31374650AP	Hook spacer B	1	
36	A202K4650AP	Roller B assy	1	NOTE 4
37	\triangle ANE6178-5R0	Switch	1	Short switch (L-2C2-MR)
38	A31384650AP	Hook spacer C	1	
39	\triangle A601L4000AP	Temp sensor	1	(Thermal protector) NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858
40	ANE0904000BD	Cushion rubber A	1	
41	A41874000AP	Washer	1	
42	\triangle A61454050AP	Thermal cutout	1	For oven NN-6258
43	A60374760GP	Capacitor bracket	1	
44	ANE0928000BU	Cushion rubber C	1	
※ 45	AEE0239570BN	Cord label	1	

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
46	ANE8194X20AP	Cook lever spring	1	NN-6258
47	A21874760JP	Metal shield	1	
48	A62384310AG	Spacer	1	
49	A41024760JP	Air guide cushion A	1	
50	A63064000AP	Insulation sheet R	1	NN-6258
51	A81904050BP	Cook lever	1	NN-6258
52	\triangle A606V4760JP	Protector diode	1	(Si)
53	A692Y4760BP	Noise filter	1	
54	XTWANE4+10RU	Screw 4X10	4	For Magnetron
55	A40244690AP	Exhaust guide A	1	NN-6808, NN-6858
56	\triangle A601L4780AP	Humidity sensor	1	NN-6808, NN-6858
57	ANE0904000BK	Cushion rubber A	3	NN-6808, NN-6858
	ANE0887L10AP	Cavity spray paint	1	Spray can, For repair of painted oven cavity
	ANE0887970AP	Touch-up paint	1	Bottle with brush, For repair of painted oven cavity
DOOR ASSEMBLY				
D1-1	A30014780HCP	Door A assy	1	NN-6258, NN-6358, NN-6558, NN-6858
D1-2	A30014760GP	Door A assy	1	NN-6308, NN-6808
D1-3	A30014760GGP	Door A assy	1	NN-6568
D2-1	A301Q4780HCP	Door E assy	1	NN-6258, NN-6358, NN-6558, NN-6858
D2-2	A301Q4740AP	Door E assy	1	NN-6308, NN-6568, NN-6808
D3-1	A30854780HCP	Door C	1	NN-6258, NN-6358, NN-6558, NN-6858
D3-2	A30854740AP	Door C	1	NN-6308, NN-6568, NN-6808
※ D4	E30064000AP	Upper hinge	1	
D5	A31454740AP	Door screen A	1	
D6	A30214000AP	Door key spring	1	
D7	A30184310AG	Door key A	1	
D8-1	A31464760HJP	Door screen B assy	1	NN-6258, NN-6358, NN-6558
D8-2	A31464760GP	Door screen B assy	1	NN-6308
D8-3	A31464760GGP	Door screen B assy	1	NN-6568
D8-4	A31464780GP	Door screen B assy	1	NN-6808
D8-5	A31464780HGP	Door screen B assy	1	NN-6858
D9-1	XTBANE3+8BC	Screw 3X8	1	For Door C NN-6258, NN-6358, NN-6558, NN-6568, NN-6858
D9-2	XTBANE3+8BZ	Screw 3X8	1	For Door C NN-6308, NN-6808
ESCUTCHEON BASE ASSEMBLY				
E1-1	A80344710HBP	Escutcheon base	1	NN-6258 NOTE 5
E1-2	A80344760GP	Escutcheon base	1	NN-6308, NN-6808 NOTE 5
E1-3	A80344760HGP	Escutcheon base	1	NN-6358, NN-6558, NN-6858 NOTE 5
E1-4	A80344760GGP	Escutcheon base	1	NN-6568 NOTE 5
E2-1	A00074710HBP	Name plate	1	NN-6258
E2-2	A00074720BP	Name plate	1	NN-6308
E2-3	A00074720HBP	Name plate	1	NN-6358

NN-6808, NN-6858, NN-6558
 NN-6568, NN-6308, NN-6358
 NN-6258

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
E2-4	A00074760HBP	Name plate	1	NN-6558
E2-5	A00074760GBP	Name plate	1	NN-6568
E2-6	A00074780BP	Name plate	1	NN-6808
E2-7	A00074780HBP	Name plate	1	NN-6858
E3-1	A80724050HGP	Door opening button	1	NN-6258
E3-2	A80724760GP	Door opening button	1	NN-6308, NN-6808
E3-3	A80724780HCP	Door opening button	1	NN-6358, NN-6558, NN-6558
E3-4	A80724760GGP	Door opening button	1	NN-6568
E4	A81274740AP	Bracket	1	NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858
E5-1	A80014720GP	Escutcheon A	1	NN-6308
E5-2	A80014720HGP	Escutcheon A	1	NN-6358
E5-3	A80014760HGP	Escutcheon A	1	NN-6558
E5-4	A80014760GGP	Escutcheon A	1	NN-6568
E5-5	A80014780GP	Escutcheon A	1	NN-6808
E5-6	A80014780HGP	Escutcheon A	1	NN-6858
E6-1	△ A603L4720BP	D.P.Circuit assy	1	(W/Component) NN-6308, NN-6358
E6-2	△ A603L4760BP	D.P.Circuit assy	1	(W/Component) NN-6558, NN-6558
E6-3	△ A603L4780BP	D.P.Circuit assy	1	(W/Component) NN-6808, NN-6858
E7,E8	ANE800D9A0GH	Timer knob	2	NN-6258
E9-1	△ A64794720BP	Membrane switch	1	NN-6308
E9-2	△ A64794720HBP	Membrane switch	1	NN-6358
E9-3	△ A64794760HBP	Membrane switch	1	NN-6558
E9-4	△ A64794760GBP	Membrane switch	1	NN-6568
E9-5	△ A64794780BP	Membrane switch	1	NN-6808
E9-6	△ A64794780HBP	Membrane switch	1	NN-6858
E10	ANE80378A0AG	Spring	1	NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858
E11	ANE83037G0BP	Spring	2	NN-6258
E12	A80244050HGP	Start button	1	NN-6258
E13	△ A60014050BP	Timer	1	NN-6258
PACKING AND ACCESSORIES				
P1	ANE0107110AG	Door sheet	1	
P2-1	A00034710BP	Instruction book	1	NN-6258
P2-2	A00034760BP	Instruction book	1	NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858
P3	A06014760BP	Glass cooking tray	1	
P4	ANE01068U0AP	Vinyl cover	1	
P5-1	A01024710HBP	Outer case	1	NN-6258
P5-2	A01024720BP	Outer case	1	NN-6308 For England
P5-3	A01024720EP	Outer case	1	NN-6308 For Germany
P5-4	A01024720HBP	Outer case	1	NN-6358 For England
P5-5	A01024720HEP	Outer case	1	NN-6358 For Germany
P5-6	A01024760HBP	Outer case	1	NN-6558
P5-7	A01024760GBP	Outer case	1	NN-6568
P5-8	A01024780BP	Outer case	1	NN-6808 For England
P5-9	A01024780EP	Outer case	1	NN-6808 For Germany
P5-10	A01024780HBP	Outer case	1	NN-6858 For England
P5-11	A01024780HEP	Outer case	1	NN-6858 For Germany
P6	A01044650AP	Upper filler	1	
P7	A01054650AP	Lower filler	1	
※ P8	AEE0169Q50GN	Servicenter list	1	
P9	A000B4760BP	Cook book	1	
P10	A01134740AP	Tray styrol	1	
WIRING MATERIAL				
W1-1	A030A4710BP	Lead wire harness	1	NN-6258
W1-2	A030A4760JP	Lead wire harness	1	NN-6308, NN-6358, NN-6558, NN-6568, NN-6808, NN-6858
W2-1	A03534760BP	Lead wire	1	NN-6308, NN-6558, NN-6568, NN-6358 For England

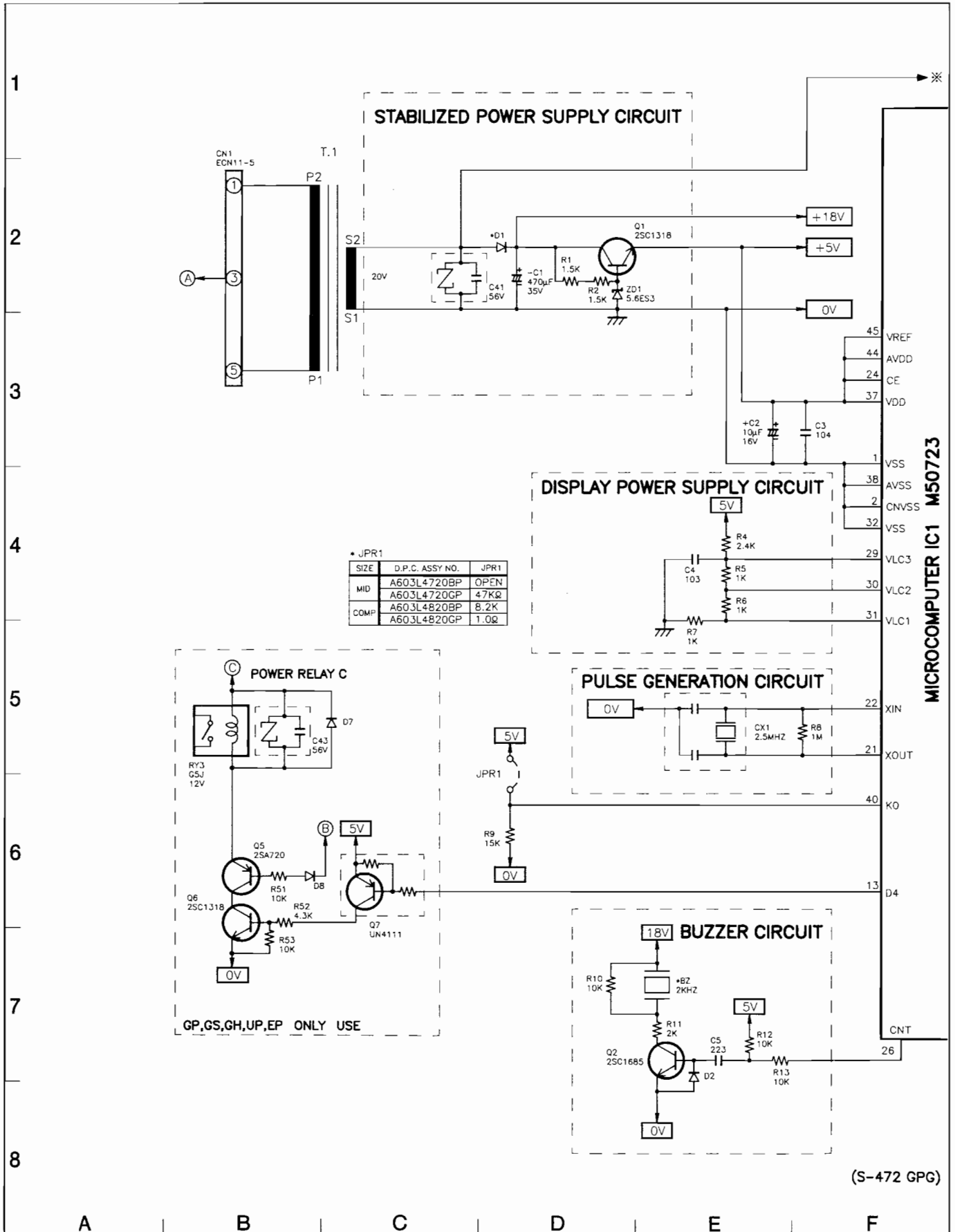
Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
W2-2	A03534760GP	Lead wire	1	NN-6358 For Germany
W2-3	A03534780GP	Lead wire	1	NN-6808, NN-6858
REF.NO.53 NOISE FILTER				
C1	ECQU2A104MN	Capacitor 0.1μF	1	(±20%, 250V)
C2,3	△ ECKDNS472MEX	Capacitor 0.0047μF	2	(±20%, 250V)
ZNR1	ERZC10DK621F	Varistor	1	
ZNR2,3	ERZC10DK112A	Varistor	2	
L1,2	A621A4760JP	Filter coil	1	
	ANE6231Q50GN	Fuse holder	2	
	ERD25FJ564S	Resistor 560kΩ	1	(±5%, 1/4W)

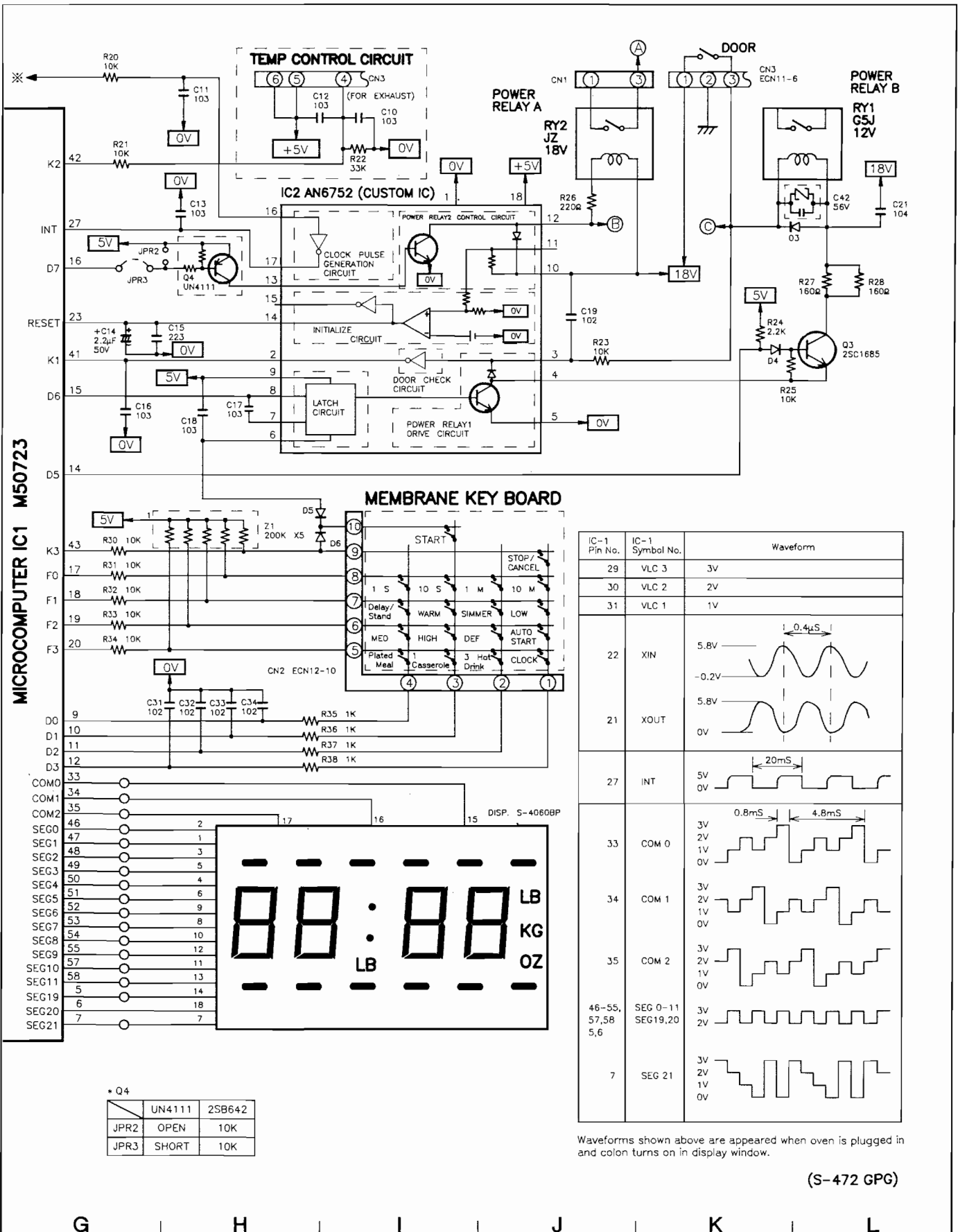
NOTE 4: The roller B assy contains three rollers.
 When replacing the roller B, make sure all three rollers be replaced together for smooth glass cooking tray turning.
 5: Please order name plate together.

MEMO

DIGITAL PROGRAMMER CIRCUIT (NN-6308/6358)

SCHEMATIC DIAGRAM





IC-1 Pin No.	IC-1 Symbol No.	Waveform
29	VLC 3	3V
30	VLC 2	2V
31	VLC 1	1V
22	XIN	5.8V, -0.2V, 1 0.4μS
21	XOUT	5.8V, 0V
27	INT	5V, 0V, 20mS
33	COM 0	3V, 2V, 1V, 0V, 0.8mS, 4.8mS
34	COM 1	3V, 2V, 1V, 0V
35	COM 2	3V, 2V, 1V, 0V
46-55, 57, 58, 5, 6	SEG 0-11, SEG 19, 20	3V, 2V
7	SEG 21	3V, 2V, 1V, 0V

Waveforms shown above are appeared when oven is plugged in and colon turns on in display window.

(S-472 GPG)

NN-6808, NN-6858, NN-6558
 NN-6568, NN-6308, NN-6358
 NN-6258

PARTS LIST (NN-6308/NN-6358)

Ref. No.	Part No.	Description	Pcs/Set	Remarks	Ref. No.	Part No.	Description	Pcs/Set	Remarks
DISP	A64564060BP	Liquid crystal display	1		C14	ECEA1HU2R2B	Electrolytic capacitor, Al	1	2.2 μ F, \pm 20%, 50V
SPACER	A82844540BP	Spacer cushion	1	For DISP	C19,31,32,33,34	ECBT1H102KB5	Ceramic capacitor	5	(Single layer) 0.001 μ F, \pm 10%, 50V
T1	A62494720BP	L.V.Transformer	1	(2.2VA)	R1,2	ERDS2TJ152T	Carbon film resistor	2	1.5k Ω , \pm 5%, 1/4W
CN1	AEEMMA01505W	5 pin connector	1		R4	ERDS2TJ242T	Carbon film resistor	1	2.4k Ω , \pm 5%, 1/4W
CN2	AEEM10FDZBTM	10 pin connector	1		R5,6,7,35,36,37,38	ERDS2TJ102T	Carbon film resistor	7	1k Ω , \pm 5%, 1/4W
CN3	AEEMMA03F06W	6 pin connector	1		R8	ERDS2TJ105T	Carbon film resistor	1	1M Ω , \pm 5%, 1/4W
BZ	AEFB22EP2002	Buzzer	1	2.0kHz	R9	ERDS2TJ153T	Carbon film resistor	1	15k Ω , \pm 5%, 1/4W
CX1	EFOGC2504A4	Ceramic resonator	1	2.5MHz	R10,12,13,20,21,23,25,30,31,32,33,34	ERDS2TJ103T	Carbon film resistor	12	10k Ω , \pm 5%, 1/4W
RY1	AEG5J1EG12A	Power relay	1	(12V)	R11	ERDS2TJ202T	Carbon film resistor	1	2k Ω , \pm 5%, 1/4W
RY2	AEAWJZDC18A	Power relay	1	(18V)	R22	ERDS2TJ333T	Carbon film resistor	1	33k Ω , \pm 5%, 1/4W
C41,42	EZCDB6R560M	Varistor	2		R24	ERDS2TJ222T	Carbon film resistor	1	2.2k Ω , \pm 5%, 1/4W
IC1	AEIC50723108	L.S.I. (MOS Microprocessor IC)	1		R26	ERDS2TJ221T	Carbon film resistor	1	220 Ω , \pm 5%, 1/4W
IC2	AN6752	I.C. (Bipolar linear IC)	1		R27,28	ERDS2TJ161T	Carbon film resistor	2	160 Ω , \pm 5%, 1/4W
Q1	2SC1318-R	Transistor, Si 400mW	1	(0Hz)	Z1	EXBP85204J	Compound resistor	1	200k Ω X5, \pm 5%, 1/8W
Q2,3	2SC1685-R	Transistor, Si 250mW	2	(0Hz)					
Q4	UN4111-(TA)	Transistor, Si 300mW	1	(0Hz)					
D1	AEDNERA1502	Diode, Si	1	(0.1A)					
D2,3,4,5,6	MA195-(TA)	Diode, Si	5	(0.1A)					
ZD1	AEDZ5R6ES3T1	Zener diode, Si	1	(0.1A)					
C1	ECEA1VU471E	Electrolytic capacitor, Al	1	470 μ F, \pm 20%, 35V					
C2	ECEA1CU100B	Electrolytic capacitor, Al	1	10 μ F, \pm 20%, 16V					
C3,21	AECF055F104Z	Ceramic capacitor	2	(Multi layer) 0.1 μ F, -20%+80%, 50V					
C4,10,11,12,13,16,17,18	ECBT1E103ZF5	Ceramic capacitor	8	(Single layer) 0.01 μ F, -20%+80%, 25V					
C5,15	ECBT1E223ZF5	Ceramic capacitor	2	(Single layer) 0.022 μ F, -20%+80%, 25V					

SERVICE FIXTURES AND TOOLS

EXTENSION CABLES

NOTE: To be used when repairing the DPC board assembly directly on the oven for easy access of the board.

Ref. No.	Part No.	Description	Pcs/Set	Remarks
	AT40M005	5 pin extension cable	1	Cable No. 17
	AT40M006	6 pin extension cable	1	Cable No. 18

DPC COMMON CHECKER AND ITS CABLE

NOTE: To be used only when DPC common checker is available.

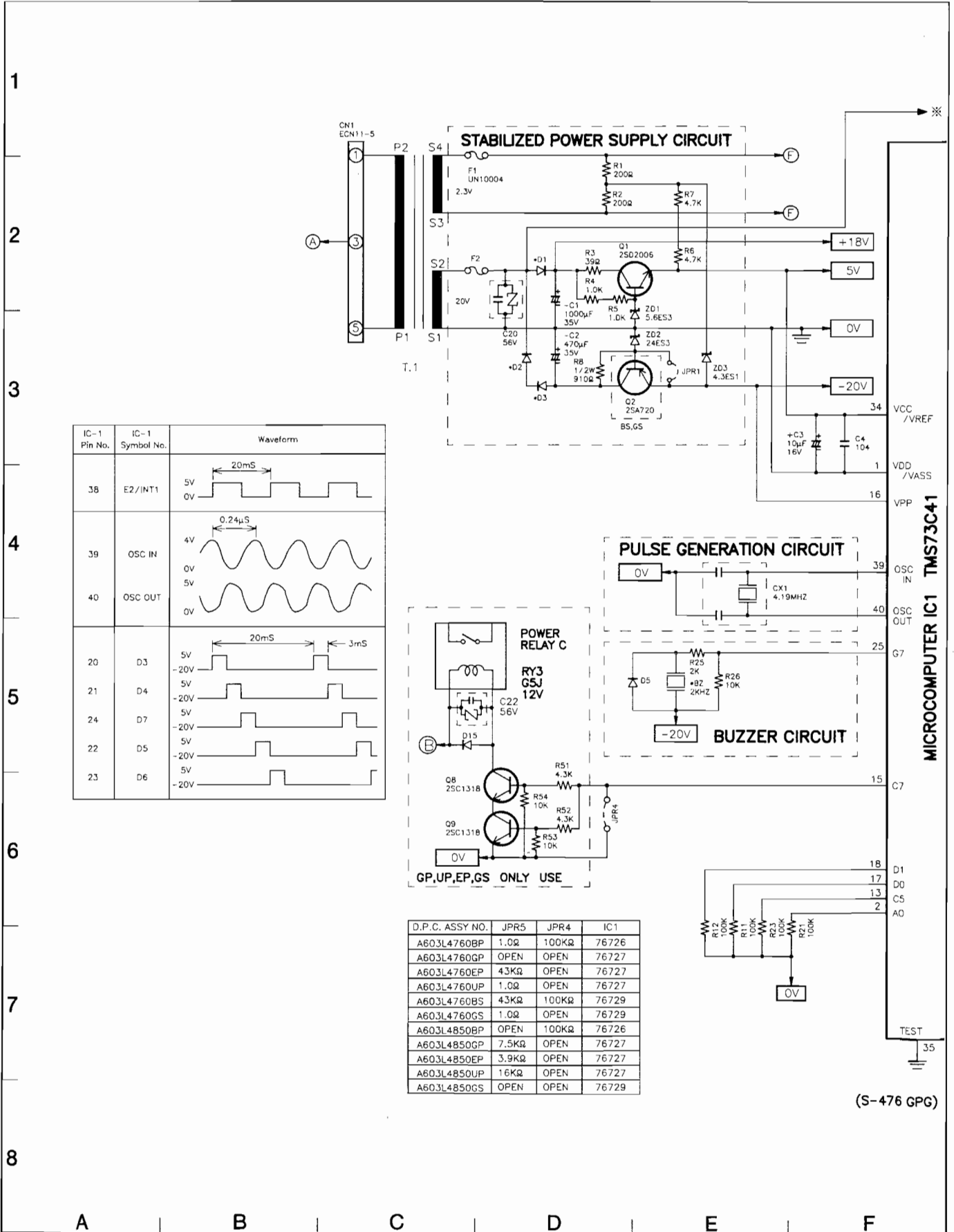
Ref. No.	Part No.	Description	Pcs/Set	Remarks
	ANE600ZK70QP	DPC common checker	1	
	AT30A4780GP	DPC checker cable	1	NOTE

NN-6808, NN-6858, NN-6558
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NN-6258

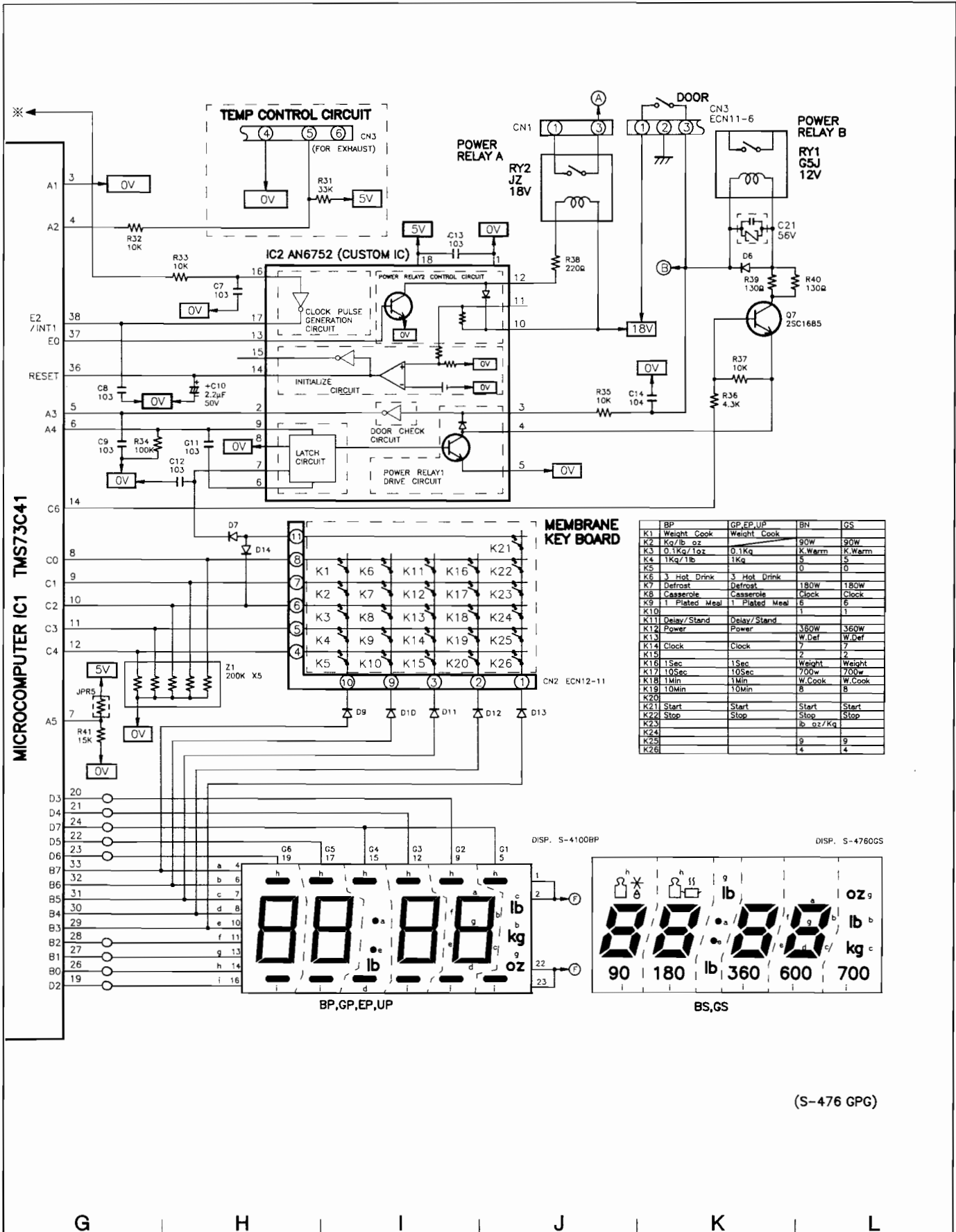
MEMO

DIGITAL PROGRAMMER CIRCUIT (NN-6558/6568)

SCHEMATIC DIAGRAM



(S-476 GPG)



(S-476 GPG)

NN-6808, NN-6858, NN-6558
 NN-6568, NN-6308, NN-6358
 NN-6258

PARTS LIST

Ref. No.	Part No.	Description	Pcs/Set	Remarks	Ref. No.	Part No.	Description	Pcs/Set	Remarks
DISP	A64564100BP	Fluorescent Tube	1		33,35,37				
SPACER	A82844690AP	Spacer Cushion	1	For DISP	P6,7	ERDS2TJ472T	4.7kΩ ±5%	1/2W	2
T1	A62494760BP	L.V.Transformer	1	(ETP41K263E)	R11,12,21,	ERDS2TJ104T	100kΩ ±5%	1/4W	6
CN1	AEEEMMC01505W	5 pin connector	1		23,34,JPR4				
CN2	AEEEM11FDZBTM	11 pin connector	1		R31	ERDS2TJ333T	33kΩ ±5%	1/4W	1
CN3	AEEEMMA03F06W	6 pin connector	1		R25	ERDS2TJ202T	2.0kΩ ±5%	1/4W	1
BZ	AEFB22EP2002	Buzzer	1	2.00kHz	R41	ERDS2TJ153T	15kΩ ±5%	1/4W	1
CX1	AEFFT4R19GW	Ceramic Resonator	1	4.19MHz	R38	ERDS2TJ221T	220Ω ±5%	1/4W	1
RY1	AEG5J1EG12A	Power Relay B	1		Z1	EXBP85204J	200kΩ × 5 ±5%	1/8W	1
RY2	AEAWJZDC18A	Power Relay A	1		R8	ERDS1VJ911T	910Ω ±5%	1/2W	1
C20,21	EZCDB6R560M	Varistor	2		R3	ERD2FCG390P	39Ω ±2%	1/4W	1
F1	UN10004	Fuse	1	400mA	R4,5	ERDS2TJ102T	1.0kΩ ±5%	1/4W	2
F2	ANE604K7J0BP	Weak point Element	1	315mA	R39,40	ERDS2TJ131T	130Ω ±5%	1/4W	2
IC1	AEIC73C76726	L.S.I. (MOS 4bit Microcomputer)	1						
IC2	AN6752	I.C. (Bipolar Linear IC)	1						
Q1	2SD2006-P,Q,R	Transistor, Si 1.2W	1						
Q7	2SC1685-R	Transistor, Si 400mW	1						
D1,2,3,	AEDNERA1502	Diode, Si	3						
D5,6,7,	MA195-(TA5)	Diode, Si	9						
9,10,11,									
12,13,14									
ZD1	AEDZ5R6ES3T1	Zener Diode, Si	1	RD5R6ES3					
ZD2	AEDZ24ES3T1	Zener Diode, Si	1	RD24ES3					
ZD3	AEDZ4R3ES1T1	Zener Diode, Si	1	RD4.3ES1					
C1	ECEA1VU102E	1000μF ±20% 35V	1						
C2	ECEA1VU471E	470μF ±20% 35V	1						
C3	ECEA1CU100E	10μF ±20% 16V	1						
C4,14	AECF055F104Z	0.1μF -20%+80% 50V	2						
C7,8,9,	ECBT1E103ZF5	0.01μF -20%+80% 25V	6						
11,12,13									
C10	ECEA1HU2R2E	2.2μF ±20% 50V	1						
R1,2	ERDS2TJ201T	200Ω ±5% 1/4W	2						
R36	ERDS2TJ432T	4.3kΩ ±5% 1/4W	1						
R26,32,	ERDS2TJ103T	10kΩ ±5% 1/4W	5						

SERVICE FIXTURES AND TOOLS

EXTENSION CABLES

NOTE: To be used when repairing the DPC board assembly directly on the oven for easy access of the board.

DPC COMMON CHECKER AND ITS CABLE

NOTE: To be used only when DPC common checker is available.

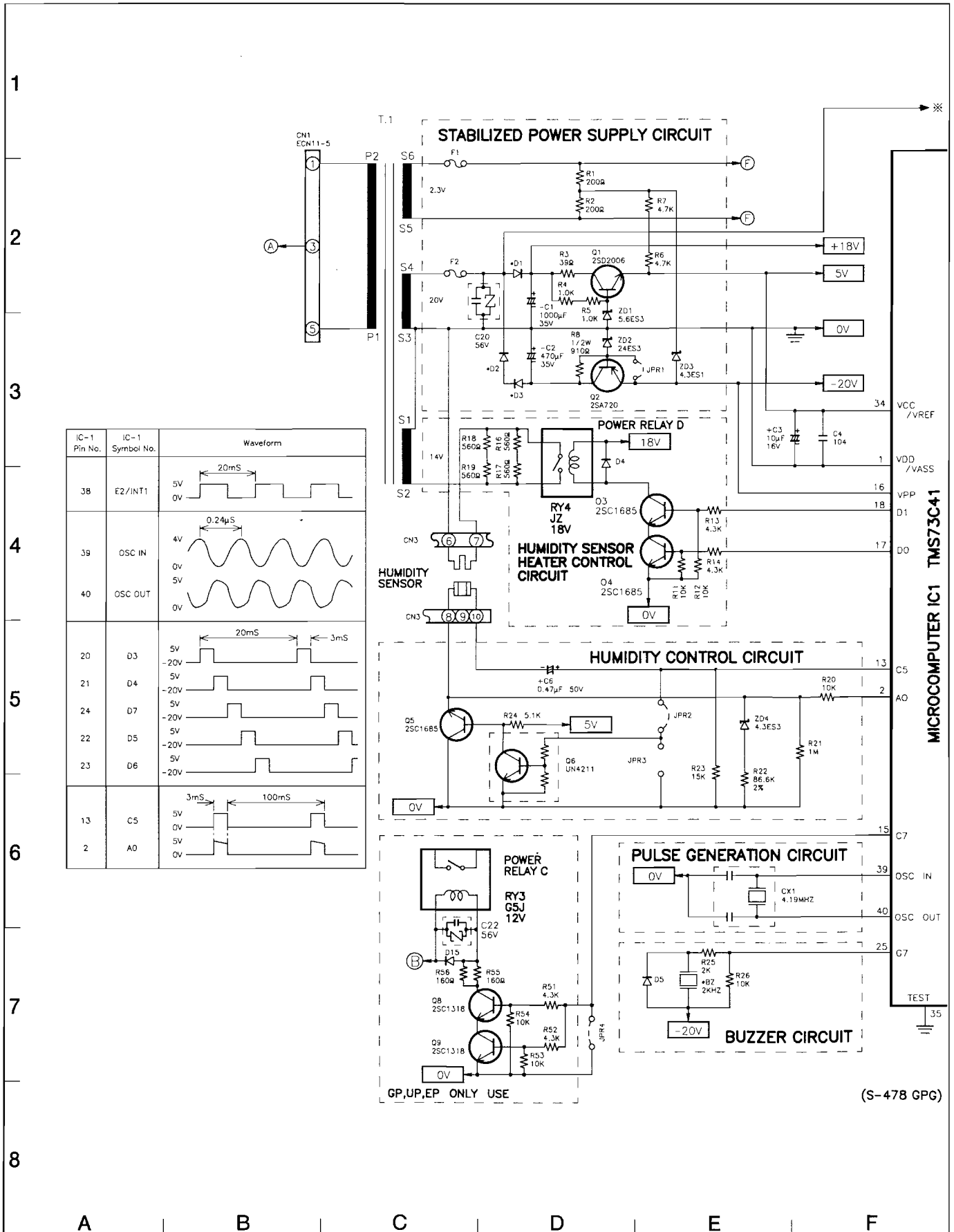
Ref. No.	Part No.	Description	Pcs/Set	Remarks	Ref. No.	Part No.	Description	Pcs/Set	Remarks
	AT40M006	6 pin Extension Cable	1	Cable No. 18					
	AT40M005	5 pin Extension Cable	1	Cable No. 17					
	AT40E006	1 pin×6 Extension Cable	1	Cable No. 9					
						ANE600ZK70QP	DPC. Common Checker	1	
						AT30A4780GP	DPC. Checker Cable	1	NOTE

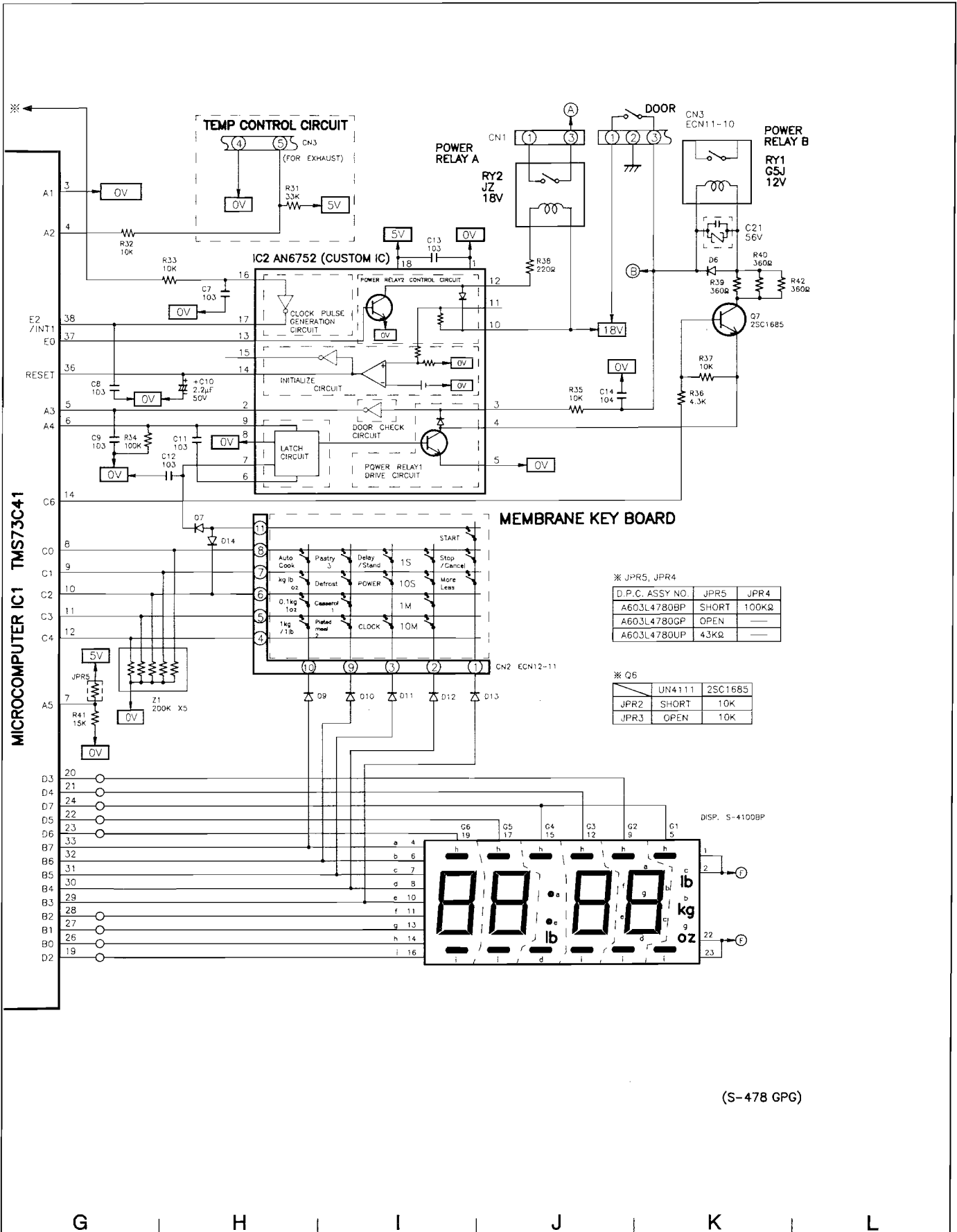
NN-6808, NN-6858, NN-6558
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NN-6258

MEMO

DIGITAL PROGRAMMER CIRCUIT (NN-6808/6858)

SCHEMATIC DIAGRAM





※ JPR5, JPR4

D.P.C. ASSY NO.	JPR5	JPR4
A603L4780BP	SHORT	100KΩ
A603L4780GP	OPEN	—
A603L4780UP	43KΩ	—

※ Q6

	UN4111	2SC1685
JPR2	SHORT	10K
JPR3	OPEN	10K

(S-478 GPG)

NN-6808, NN-6858, NN-6558
 NN-6568, NN-6308, NN-6358
 NN-6258

PARTS LIST

Ref. No.	Part No.	Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Description	Pcs/ Set	Remarks
DISP	A64564100BP	Fluorescent Tube	1		C10	ECEA1HU2R2E	2.2µF ±20% 50V	1	
SPACER	A82844690AP	Spacer Cushion	1	For DISP	R1,2	ERDS2TJ201T	200Ω ±5% 1/4W	2	
T1	A62494780BP	L.V.Transformer	1	(ETP43K123E)	R3	ERD2FCG390P	39Ω ±2% 1/4W	1	
CN1	AEEMMC01505W	5 pin connector	1		R4,5	ERDS2TJ102T	1.0kΩ ±5% 1/4W	2	
CN2	AEEM11FDZBTM	11 pin connector	1		R6,7	ERDS2TJ472T	4.7kΩ ±5% 1/4W	2	
CN3	AEEMMA3FF10W	10 pin connector	1		R8	ERDS1VJ911T	910Ω ±5% 1/2W	1	
BZ	AEFB22EP2002	Buzzer	1	200kHz	R11,12,20, 26,32,33, 35,37	ERDS2TJ103T	10kΩ ±5% 1/4W	8	
CX1	AEFFT4R19GW	Ceramic Resonator	1	4.19MHz	R13,14,36	ERDS2TJ432T	4.3kΩ ±5% 1/4W	3	
RY1	AEG5J1EG12A	Power Relay B	1		R16,17,18, 19	ERDS2TJ561T	560Ω ±5% 1/4W	4	
RY2,RY4	AEAJZDC18A	Power Relay A, D	2		R21	ERDS2TJ105T	1MΩ ±5% 1/4W	1	
C20,21	EZCDB6R560M	Varistor	2		R22	EROS2TKG8662	86.6kΩ ±2% 1/4W	1	
F1	CN10004	Fuse	2	400mA	R23,41	ERDS2TJ153T	1.5kΩ ±5% 1/4W	2	
F2	ANE604K7J0BP	Weak Point Element	1	315mA	R24	ERDS2TJ512T	5.1kΩ ±5% 1/4W	1	
IC1	AEIC73C76728	L.S.I. (MOS 4bit Microcomputer)	1		R25	ERDS2TJ202T	2.0kΩ ±5% 1/4W	1	
IC2	AN6752	I.C. (Bipolar Linear IC)	1		R31	ERDS2TJ333T	33kΩ ±5% 1/4W	1	
Q1	2SD2006-P,Q,R	Transistor, Si 1.2W	1		R34	ERDS2TJ104T	100kΩ ±5% 1/4W	1	
Q2	2SA720-R	Transistor, Si 400mW	1		R38	ERDS2TJ221T	220Ω ±5% 1/4W	1	
Q3,4,5,7	2SC1685-R	Transistor, Si 250mW	4		R39,40,42	ERDS2TJ361T	360Ω ±5% 1/4W	3	
Q6	UN4211-(TA)	Transistor, Si 300mW	1		Z1	EXBP85204J	200kΩ×5 ±5% 1/8W	1	
D1,2,3	AEDNERA1502	Diode, Si	3						
D4,5,6,7, 9,10,11,12, 13,14	MA195-(TA5)	Diode, Si	10						
ZD1	AEDZ5R6ES3T1	Zener Diode, Si	1	RD5R6ES3					
ZD2	AEDZ24ES3T1	Zener Diode, Si	1	RD24ES3					
ZD3	AEDZ4R3ES1T1	Zener Diode, Si	1	RD4.3ES1					
ZD4	AEDZ4R3ES3T1	Zener Diode, Si	1	RD4.3ES3					
C1	ECEA1VU102E	1000µF ±20% 35V	1						
C2	ECEA1VU471E	470µF ±20% 35V	1						
C3	ECEA1CU100E	10µF ±20% 16V	1						
C4,14	AECF055F104Z	0.1µF -20%+80% 50V	2						
C6	ECEA1HUR47B	0.47µF ±20% 50V	1						
C7,8,9, 11,12,13	ECBT1E103ZF5	0.01µF -20%+80% 25V	6						

SERVICE FIXTURES AND TOOLS

EXTENSION CABLES

NOTE: To be used when repairing the DPC board assembly directly on the oven for easy access of the board.

DPC COMMON CHECKER AND ITS CABLE

NOTE: To be used only when DPC common checker is available.

Ref. No.	Part No.	Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Description	Pcs/ Set	Remarks
	AT40M005	5 pin Extension Cable	1	Cable No. 17		ANE600ZK70QP	DPC. Common Checker	1	
	AT40M0010	10 pin Extension Cable	1	Cable No. 39		AT30A4780GP	DPC. Checker Cable	1	NOTE
	AT40E006	1 pin×6 Extension Cable	1	Cable No. 9					

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MEMO

