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PANASONIC NE-DF20G Owner's Manual

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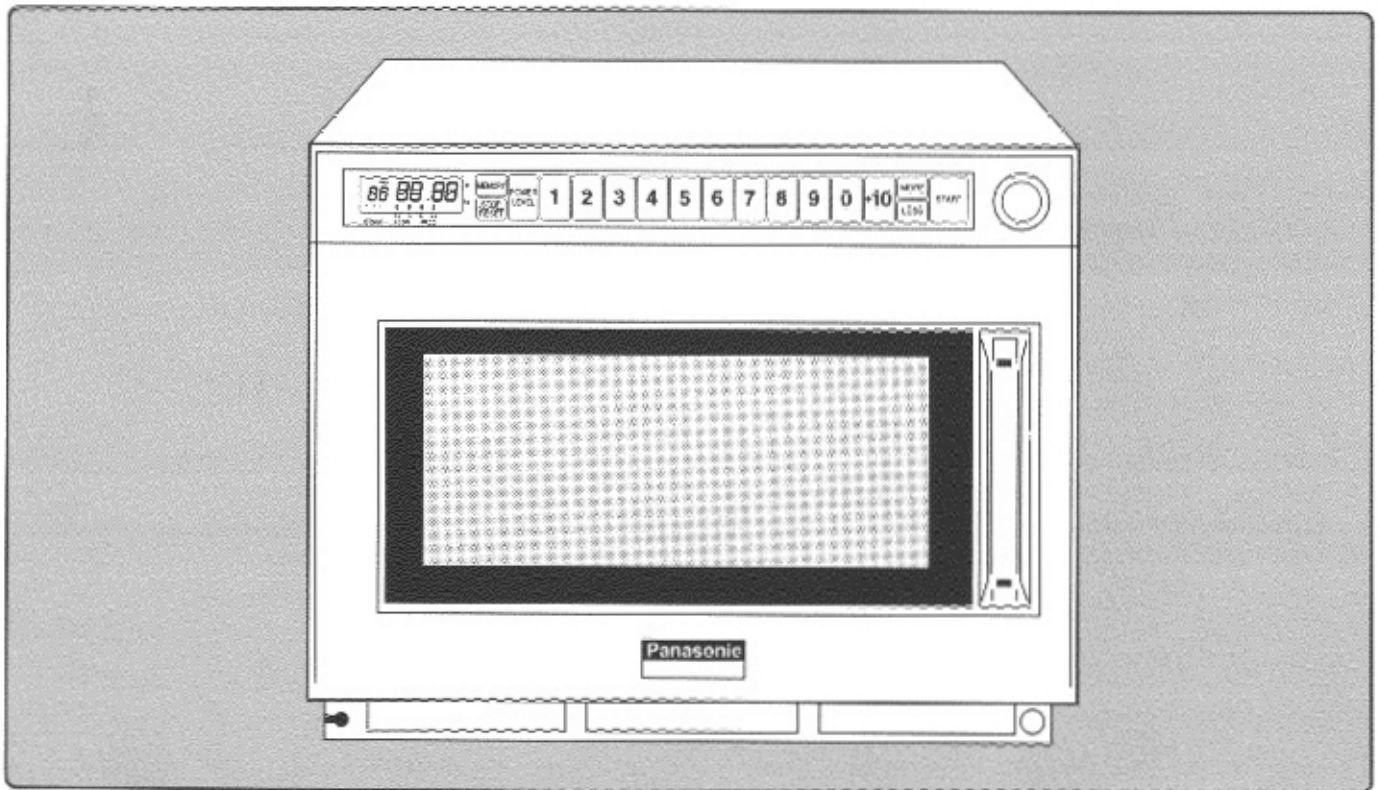


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Operating Instructions

NE-DF20G Commercial Microwave Defroster



Please read these instructions completely before operating the Defroster.

Panasonic®

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) **Do not attempt to operate this appliance with the door open** since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) **Do not place any object** between the oven front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.

- (c) **Do not operate the appliance if it is damaged.** It is particularly important that the door close properly and that there is no damage to the:
- (1) door(bent)
 - (2) hinges and latches (broken or loosened)
 - (3) door seals and sealing surfaces
- (d) **The appliance should not be adjusted or repaired** by anyone except properly qualified service personnel.

TABLE OF CONTENTS

<p>IMPORTANT SAFETY INSTRUCTIONS 3</p> <p>Installation and GROUNDING INSTRUCTIONS 4</p> <p>Power Source Voltage Adjustment 5</p> <p>Practical Hints 6</p> <p>Outline Diagram 7</p> <p>Accessories 8</p> <p>How to Operate</p> <p> Before Operating 9</p> <p> Heating/Defrosting</p> <p> A. Manual Single Stage Heating/Defrosting 11</p> <p> B. Manual 2 or 3 Stage Heating/Defrosting 12</p> <p> C. Weight Defrosting 13</p>	<p> Programmed Heating/Defrosting</p> <p> To Program/To Use 14</p> <p> Other Features</p> <p> A. To Activate Program Lock 15</p> <p> B. To Release Program Lock 15</p> <p> C. To Select Beep Tone Options 16</p> <p> D. To Read The Program List 17</p> <p> E. To Read the Cycle Counter 17</p> <p> Self Diagnostics Failure Code Explanation 18</p> <p> Installation Instructions for Stacking 18</p> <p> Sanitary Counter - Top Seal 19</p> <p> Care of Your Microwave Defroster 19</p> <p> Technical Specifications 20</p>
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Owner's Record

Model No. NE - DF20G

Serial No. _____

The serial number of this product may be found on the side of the oven.

Dealer's Name _____

Dealer's Address _____

Date of Purchase _____

Toll Free Service Information

To locate a convenient service agent call

1-800-545-2672

IMPORTANT SAFETY INSTRUCTIONS

This microwave defroster is a cooking device and you should use as much care as you use with a stove or any other cooking device.

When using this electric appliance, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using the appliance.
2. Read and follow the specific "**PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY**," found on back of the front cover.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "**GROUNDING INSTRUCTIONS**" found on page 4.
4. Install or locate this appliance only in accordance with the installation instructions found on page 4.
5. Do not cover or block any openings on this appliance.
6. Do not store or use this appliance outdoors. Do not use this product near water - for example, near a kitchen sink, in a wet basement, or near a swimming pool, and the like.
7. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of appliance is specifically designed to defrost food, it is not designed for industrial or non-food laboratory use.
8. When cleaning the surfaces of the door and the appliance that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
9. Do not allow children to use this appliance, unless closely supervised by an adult.
10. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
11. Do not immerse cord or plug in water.
12. Keep cord away from heated surfaces.
13. Do not let cord hang over edge of table or counter.
14. This appliance should be serviced only by qualified service personnel. Contact the nearest authorised service facility for examination, repair or adjustment.
15. Some products such as whole eggs and sealed containers -for example, closed glass jars - may explode and should not be placed in this appliance.
16. To reduce the risk of fire in the oven cavity:
 - (a) Do not overdefrost/overcooked food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate defrosting/cooking.
 - (b) Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - (c) If materials inside the oven should ignite, keep the door closed, turn off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
 - (d) Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.

General Use

1. **DO NOT** tamper with or make any adjustments or repairs to door, control panel housing, safety interlock switches or any other part of the appliance. **DO NOT** remove outer panel from appliance. Repairs should only be done by a qualified service person.
2. **DO NOT** operate the appliance empty. The microwave energy will reflect continuously throughout the appliance if food or water is not present to absorb energy. This could damage the appliance and result in the danger of a fire.
3. **DO NOT** use this appliance to heat chemicals or any other non-food products. **DO NOT** clean this appliance with any product that is labeled as containing corrosive chemicals. **The heating of corrosive chemicals in this appliance can cause microwave energy leakage.**
4. **DO NOT** dry clothes, newspapers or other materials in oven. They may catch fire.
5. **DO NOT** use recycled paper products unless the paper product is labeled as safe for microwave oven use. Recycled paper products may contain impurities which may cause sparks and/or fires when used.
6. **DO NOT** use newspapers or paper bags for cooking. Fire can result.
7. **DO NOT** hit or strike control panel. Damage to controls may occur. Fire can result.
8. **POT HOLDERS** should always be used when removing items from the oven. Heat is transferred from the **HOT** food to the cooking container .
9. **DO NOT** store flammable materials next to, on top of, or in the oven. These could be fire hazards.
10. **DO NOT** operate this appliance without the splatter shield (located the top of inner cavity) in place.

SAVE THESE INSTRUCTIONS

For proper use of your appliance, read remaining safety cautions and operating instructions.

Installation & GROUNDING INSTRUCTIONS

Examine Your Defroster

Unpack appliance, remove all packing material, and examine the appliance for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if appliance is damaged. **DO NOT** install if appliance is damaged.

Placement of Defroster

1. Defroster must be placed on a flat, stable surface. For proper operation, the appliance must have sufficient air flow.
 - a. **DO NOT** block air vents. If they are blocked during operation, the appliance may overheat. If the appliance overheats, a thermal safety device will turn it off. The appliance will remain inoperable until it has cooled.
 - b. **DO NOT** place appliance near a hot damp surface such as a gas or electric range.
 - c. **DO NOT** operate appliance when room humidity is too high.
2. This appliance was manufactured for commercial use only.

Grounding Instructions

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

WARNING - Improper use of the grounding can result in a risk of electric shock.

Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord shall be equal to or greater than the electrical rating of the appliance.

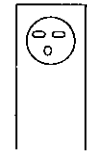
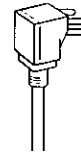
Removal of Protective Film

A blue protective film is used to prevent scratching of the outer case during transportation. Peel the film from the exterior of the oven before installation or use.

Wiring Requirements

1. The appliance must be on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave defroster. If it does, the branch circuit fuse may blow, the circuit breaker may trip or the food may not defrost properly.
2. The microwave defrosters are built to operate on 2 different voltages (230-240 V or 208 V). Be sure that the voltage adjustment (on the back of the appliance) is set for your power supply. Using a higher voltage setting is dangerous and may result in overheating of the electrical components thus shortening their life expectancy or possibly causing a fire or other accident. Using a lower voltage will lower the power output of the appliance, resulting in slower defrosting of the food. Panasonic is NOT responsible for damage resulting from the use of the appliance with other than specified voltage.
3. This oven must be on a separate, 60 Hz GROUNDED CIRCUIT - minimum 15 amps.

NEMA#
6-15P



208V/230-240V
Grounded
Outlet
NEMA#
6-15R or 6-20R

Radio Interference

1. Operation of the microwave defroster may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
 - a. Clean door and sealing surfaces of the appliance. (See Care of Your Microwave defroster found on page 19)
 - b. Place the radio, TV, etc. as far away from the microwave defroster as possible.
 - c. Use a properly installed TV antenna or cable to obtain stronger signal reception.

Power Source Voltage Adjustment

CAUTION

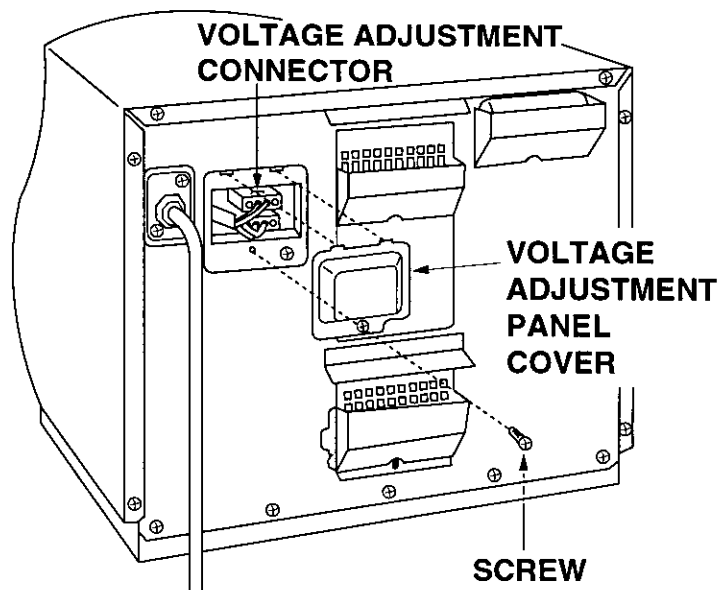
Make sure that the power cord is unplugged before removing the voltage adjustment panel cover.

The microwave Defroster Model NE-DF20G is set for 208 V operation at factory. For 230 V - 240 V operation, the following adjustment **MUST** be made.

- (Step 1) Unscrew the voltage adjustment panel cover which is located on the back of the oven. Do not remove any other parts from the oven.
- (Step 2) Remove the white connector and plug the black connector into the socket.
- (Step 3) Store the unused white connector in the rectangular opening.
- (Step 4) Reattach the voltage adjustment panel cover to the cabinet.

- For 230V-240V - Use black connector plug.
- For 208V - Use white connector plug.

To switch the circuits from 230 V-240 V to 208 V, follow steps above 1-4, except step 2, plug the white connector plug into the socket and store the black plug in the rectangular opening.



Practical Hints

Follow These Safety Precautions When Defrosting/Cooking

1) Home Canning/Drying Foods / Small Quantities of Foods

- Do not use your appliance for home canning or the heating of any closed jar. Pressure will build up and the jar may burst. Your appliance cannot maintain the food at the proper canning temperature. Improperly canned food may spoil and be dangerous to consume.
- Small quantities of food or foods with low moisture content can dry out, burn or catch on fire.
- Do not dry meats, herbs, fruits or vegetables in your appliance.

IMPORTANT

Proper cooking depends on the time set and weight of the food. If you use a smaller portion than recommended and cook at the time for the recommended portion, fire can result.

If a fire occurs, turn oven off and leave the door closed. Disconnect the power cord or shut off power at the fuse or circuit breaker panel.

2) Popcorn

Popcorn must be popped in a microwave oven corn popper. Microwave popcorn which pops in its own package is also available. Follow popcorn manufacturers' directions and use a brand suitable for the wattage of your microwave defroster. Never leave appliance unattended when popping popcorn. Allow popcorn bag to cool before opening to avoid steam burns. Always open bag away from face and body.

CAUTION

When using prepackaged microwave popcorn, follow recommended package instructions. If these instructions are not followed, the popcorn may not pop adequately or may ignite and cause a fire.

3) Deep Fat Frying

- Do not attempt to deep fat fry in your microwave defroster. Cooking oils may burst into flames and may cause damage to the appliance and perhaps result in burns. Microwave utensils may not be able to withstand the temperature of the hot oil, and could shatter.

4) Eggs

- Do not heat eggs in their shells in a microwave defroster. Pressure will build up and the eggs will burst.

5) Foods With Nonporous Skins

- Potatoes, apples, egg yolks, whole squash and sausages are examples of foods with nonporous skins. These types of foods must be pierced before Microwave cooking to prevent their bursting.
- Use fresh potatoes for baking and cook until just done. Overcooking causes dehydration and may cause a fire. Use recommended weights or fire may occur.

6) Liquid

- Heated liquids can erupt if not mixed with air. Do not heat liquids in your microwave defroster without first stirring.

7) Cooking Utensils / Foil

- Cooking utensils get hot during microwaving. Use potholders when removing utensils from the appliance or when removing lids or plastic wrap covers from cooking utensils to avoid burns.
- The ceramic base/floor will get hot during cooking. It should be allowed to cool before paper products, such as paper plates or microwave popcorn bags, are placed in the appliance for microwave cooking.
- When using foil, skewers, warming rack or utensils made of metal in the appliance, allow at least 1-inch (2.5 cm) of space between metal material and interior appliance walls. If arcing occurs (sparking) remove metal material (skewers etc.) and/or transfer to a non-metallic container.
- Dishes with metallic trim should not be used, as arcing may occur.

8) Paper Towels / Clothes

- Do not use paper towels or cloths which contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite.
- Do not use paper bags or recycled paper products in the microwave defroster.

9) Browning Dishes / Oven Cooking Bags

- Do not use browning dishes in your microwave defroster unless they are specially made for commercial microwave ovens.
- If an oven cooking bag is used for microwave cooking, prepare according to package directions. Do not use a wire twist-tie to close bag.

10) Thermometers

- Do not use a conventional meat thermometer in your appliance. Arcing may occur.

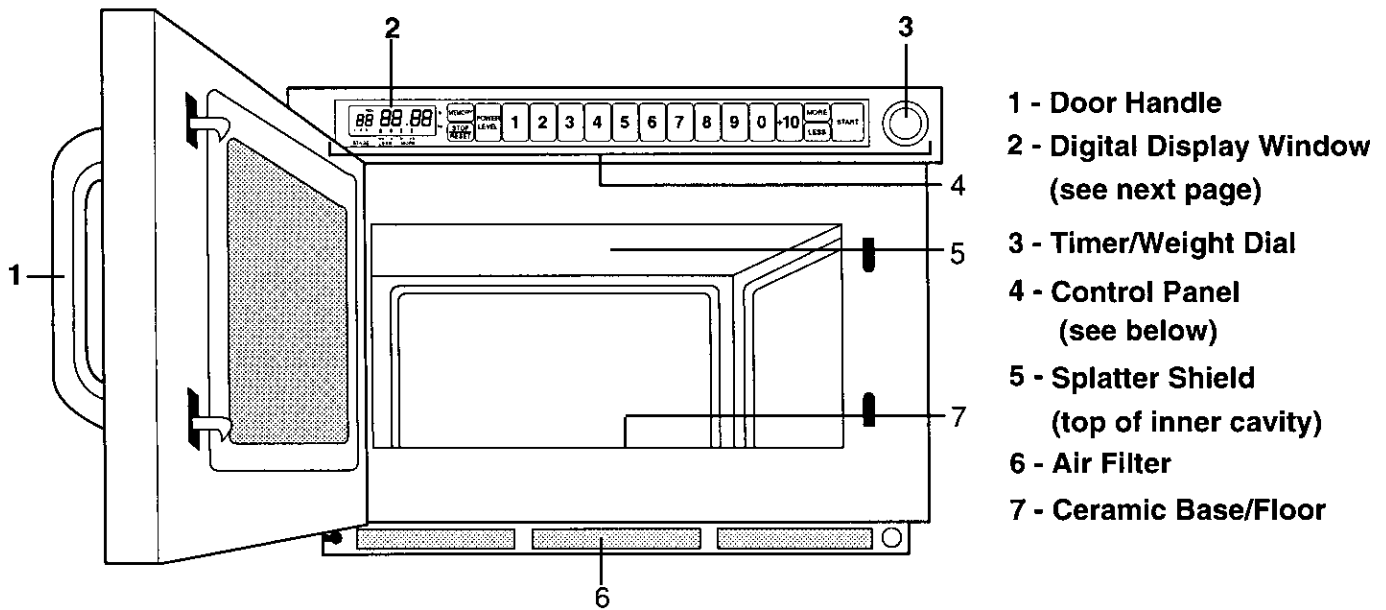
11) Reheating Pastry Products

- When reheating pastry products, check temperatures of any fillings before eating. Some foods have fillings which heat faster and can be extremely hot while the surface remains warm to the touch (ex. Jelly Donuts).

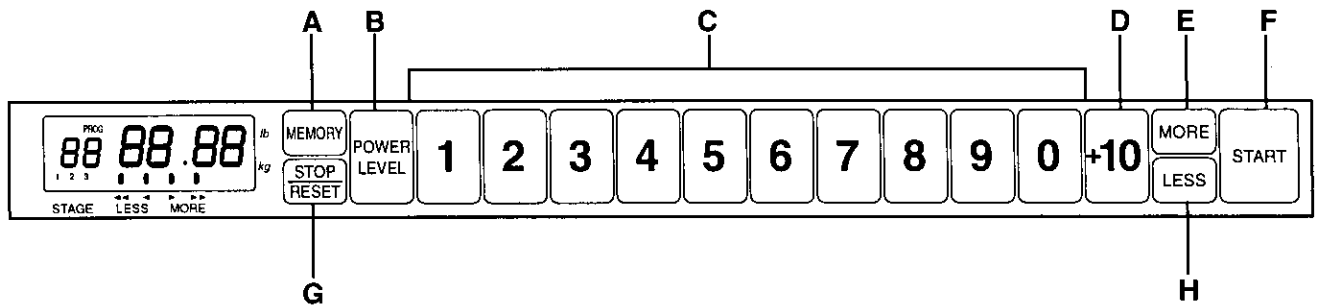
12) General Oven Usage Guidelines / Oven Door

- Do not use the appliance for any reason other than the preparation of food.
- Do not leave appliance unattended while in use.

Outline Diagram



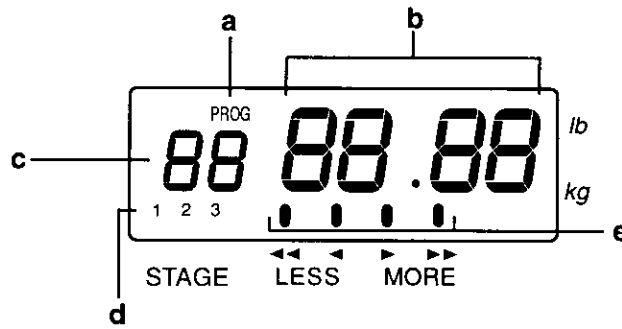
Control Panel



- A - Memory Function Pad
- B - Power Level Selector Pad
- C - Number/Memory Pads
- D - +10 Pad

- E, H - More/Less Pad
- F - Start Pad
- G - Stop/Reset Pad

Digital Display Window



a - Program Display

b - Heating Time/Weight Display(min. sec.)

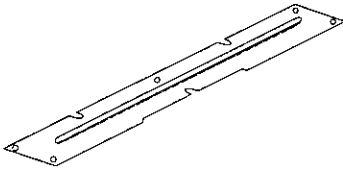
c - Program Number Display

d - Heating Stage Indicator

e - More/Less Indicator

Accessories

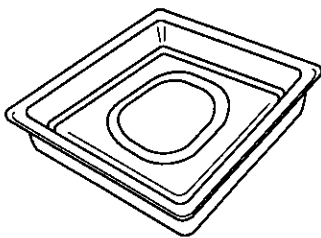
Joint Plate



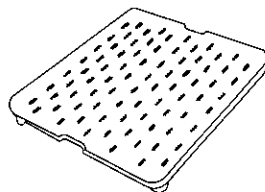
For stacking installation, you must use the Joint Plate.(See "Installation Instructions for Stacking" found on page 18)

Defrosting Container/Rack (Optional parts)

(A)



(B)



Use Container for food when you defrost food.
Contact the nearest authorized Panasonic Distributor/Dealer.

Part number

(A) A0742-3110

(B) A0643-3110

Defrosting Container

Defrosting Rack

How to Operate

Before Operating

Make sure the defroster is connected to a properly grounded electrical outlet. (See page 4)
 When the door is closed, the display is blank. When the door is opened, the display shows "0".
 For detailed operation, see the page for each feature.

Ib/kg Conversion :

The Defroster automatically displays the lb symbol when using Weight Defrosting. If you wish to use the kg, while pressing Start Pad, press the Power Level Selector Pad after plugging the Defroster in.

lb symbol



kg symbol



This defroster is preset at the factory for the following :

1. Manual operation is available.
2. The following Weight Defrosting programs are preset at the factory. You can easily defrost by setting the program number and the weight.

Program Number	Food	Program Number	Food	Program Number	Food
1	Beef, whole/steaks	7	Pork, sliced	13	Fish, whole
2	Beef, sliced	8	Pork, ground	14	Block of Shrimp
3	Beef, ground	9	Chicken, whole	15	Shrimp, I.Q.F.
4	Tuna, whole/steaks	10	Chicken pieces	16	Frozen Vegetables
5	Tuna, sliced	11	Chicken, ground		
6	Pork, whole/steaks	12	Fish, fillets/steaks		

3. Program is unlocked.
4. Cycle counter set to "0" on all pads.

To set the Power Level:

This microwave defroster has seven power levels. Select the power level before setting the defrosting time.
 Power level shifts sequentially from "P6" to "P0" whenever the Power Level Selector Pad is pressed.

Power	The main use of power
P6 (HIGH) Reheating
P5	
P4In case of small quantities of foods, untie crystallization of ice
P3	
P2 Defrost ice slowly
P1 Equate whole temperature
P0 Standing (Zero microwave power)

Time ranges you can set are below:

Display Time	Time Range
0 - 1 minute	2 second increments
1 - 3 minutes	5 second increments
3 - 5 minutes	15 second increments
5 - 10 minutes	30 second increments
10 - 30 minutes	1 minute increments
30 - 60 minutes	5 minute increments

Power	Time Range
P6	2 sec. - 20 min.
P5	2 sec. - 60 min.
P4	2 sec. - 60 min.
P3	2 sec. - 60 min.
P2	2 sec. - 60 min.
P1	2 sec. - 60 min.
P0	2 sec. - 60 min.

Display :

The display will be blank (when the door is closed):

- After more than 1 minute interruption of setting operation.
- After more than 1 minute following completion of heating and removing food.

The display will flash "0":

- Continuously if food is not removed.

Oven Light:

Oven light will be turned on when;

- You open the door.
- Heating starts.

Oven light will be turned off when;

- You close the door.
- Heating finishes.

Heating/Defrosting



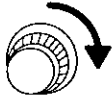
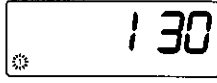

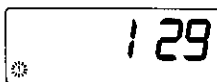
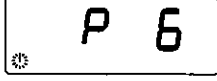
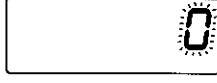

Open the door and place food in the defroster cavity.

Close the door. "0" must be displayed in the display window.

A. Manual Single Stage Heating/Defrosting:

This feature gives the user maximum flexibility to set the defroster to desired heating/defrosting times and power levels. Ideal for foods that require variations in heating/defrosting.

Example: To heat for 1 minute 30 seconds at P6 (HIGH) Power.

<p>1.</p> 	<p>● Press the Power Level Selector Pad once.</p>	 <p>STAGE</p>
<p>2.</p> 	<p>● Turn the Timer/Weight Dial to 1 30 to set the heating time.</p>	 <p>STAGE</p>
<p>3.</p> 	<p>● Press the Start Pad. Heating will start. The time on digital display will count down.</p> <p>NOTE: When you want to know the selected Power Level, press and hold in the Power Level Selector Pad. Selected power level will appear in the display window.</p>	 <p>STAGE</p>  <p>STAGE</p>
<p>4. Beep tone will sound.</p>	<p>● All heating will finish.</p>	
<p>5. Open the door.</p>	<p>● Remove the foods. The digital display will return to the originally selected time.</p>	 <p>STAGE</p>


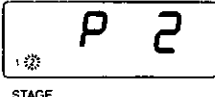
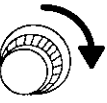
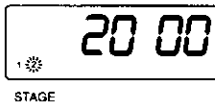

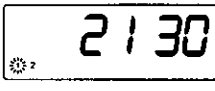
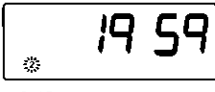
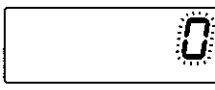
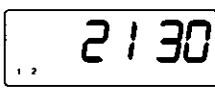
NOTE:

- 1. Interrupt Function (only in "Program Unlock")**
Allows opening the defroster door to check the food in the cavity. Closing the door and pressing the Start Pad resumes operating. Defrosting time does not erase while you check your food.
- 2. Repeat Function**
After you remove your food from the defroster the timer is automatically reset to repeat the last heating time and power level. This is especially convenient for Daily Specials that you do not want to program into a memory pad. Repeat Function clears in 1 minute after door is closed and no pads are pressed.

B. Manual 2 or 3 stage Heating/Defrosting:

This feature allows you to set to begin heating/defrosting at a power level then automatically shift to a different power level after designated amount of defrosting time.

Example: To heat for 20 minutes at P2 Power for second stage heating/defrosting

1.	●Follow steps 1 to 2 on previous page for manual single stage heating/defrosting.	
2. 	●Press the Power Level Selector Pad 5 times.	 STAGE
3. 	●Turn the Timer/Weight Dial to 20 00 to set the heating time.	 STAGE
4. 	●Press the Start Pad. The total time for both stages will be displayed. Heating will start. The time on digital display will count down. ●When the oven shifts to the next stage, a single beep tone will sound.	 STAGE  STAGE
5. Beep tone will sound.	●All heating will finish.	 STAGE
6. Open the door.	●Remove the foods. The digital display will return to the originally selected time.	 STAGE

NOTE:

For a 3 stage heating cycle, select a power level once again after step 3 on this page and dial in a heating time. See Special Note below.

SPECIAL NOTE: For both single and 2 or 3 stage defrosting.

- 1.While defrosting, pressing the Stop/Reset Pad once stops the defroster. You can restart it by pressing the Start Pad. Second pressing of the Stop/Reset Pad will cancel the selected program.
- 2.Pressing on the Stop/Reset Pad once before the heating cycle is started will cancel the selected program.


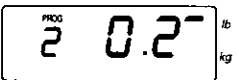
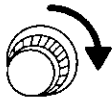
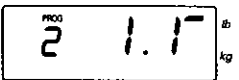

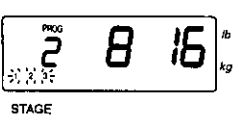
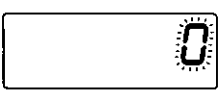

REPEAT FEATURE

- 1.You can repeat exactly the same heating program as before by pressing the Start Pad, if you use the defroster again within 1 minute (within 30 minutes when the door has been opened).
- 2.In 1 minute of non-use with the door closed (30 minutes with the door opened), the repeat feature will be cancelled.



C. Weight Defrosting:

You can use pre-set defrosting program of 16 foods (see page 9). Simply select the desired category and weight of food. (only in "Program Unlock")

Important: If you programmed your Memory Program (as in page 14), this function dose not work.

Example: Program Number 2 (Beef , sliced):1.1 lbs		
1. 	●Press the Number/Memory Pad 2 to select the desired program.	
2. 	●Turn the Timer/Weight Dial to 1.1. NOTE: In "Program Lock", you can not select weight. "Program Lock" should be cancelled. (See page 15.)	
3. 	●Press the Start Pad. The total time for 3 stages will be displayed. Heating will start. The time on digital display will count down.	
4. Beep tone will sound.	●All heating will finish.	
5. Open the door.	●Remove the foods. "0" will appear in the display.	





NOTE:

To select program number from 11 to 16, press the +10 Pad once before step 1. e.g. 13 :  

MORE/LESS Pad

You can adjust the temperature by using More/Less Pad.

To adjust : Press More/Less Pad before Step 2 or Step 3.

Starting food temp. (approx.)	10.4°F(- 12°C)	3.2°F(- 16°C)	-4°F(- 20°C)	-22°F(- 30°C)	Less than -40°F(- 40°C)
MORE/LESS indicator	 Press Less Pad twice.	 Press Less Pad once.	Standard	 Press More Pad once.	 Press More Pad twice.

Programmed Heating/Defrosting

To Program:

Caution: Please use program number 17-30. If you use program number 1-16, the preset Weight Defrosting program will be cancelled.

Example: To program 3 minutes at P6(HIGH) Power for Program Number 18.		
1.	<ul style="list-style-type: none"> Open the door. NOTE: During programming, you must keep the door open. 	
2.	<ul style="list-style-type: none"> Press the Memory Function Pad. NOTE: If "PROG" indication dose not appear in the display, "Program Lock" should be cancelled. (See page 15.) 	
3.	<ul style="list-style-type: none"> Press +10 Pad and then the Number/Memory Pad 8. The pad number and the previously selected time or Weight will appear in the display. 	
4.	<ul style="list-style-type: none"> Select the power level (P6 to P0) by pressing the Power Level Selector Pad. 	
5.	<ul style="list-style-type: none"> Turn the Timer/Weight Dial to 3 00. 	
6.	<ul style="list-style-type: none"> Press the Memory Function Pad again. Programming has been completed. Three seconds after, "0" will appear in the display. 	

NOTE: 1. To select program number 21 to 30, press the +10 Pad once before step 3.
 e.g. 25: [+10] [+10] [5], 30: [+10] [+10] [0]
 2. For 2 or 3 stage heating cycle, repeat step 4 and 5 after step 5.

To use:

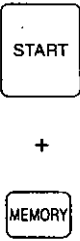
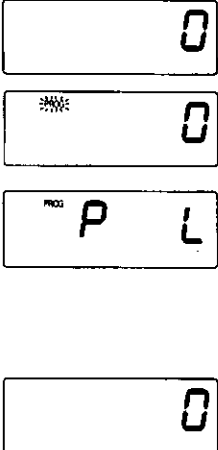
Example: Program Number 18 (3 minutes on P6(HIGH) Power)		
1.	<ul style="list-style-type: none"> Press +10 Pad and then the Number/Memory Pad 8. In Program Lock mode, oven will start without pressing Start Pad. 	
2.	<ul style="list-style-type: none"> Press the Start Pad if not in Program Lock mode. Heating will start. Heating time will count down. 	
3.	<ul style="list-style-type: none"> All heating will finish. The time display will flash "0" until the door is opened. 	

NOTE: For 2 or 3 stage heating, a single beep tone will sound between stages.

Other Features

A. To Activate Program Lock:

This procedure "locks" the control panel Number/Memory Pads into their programmed heating times and power levels. This feature allows one touch operation of the Number/Memory Pads.


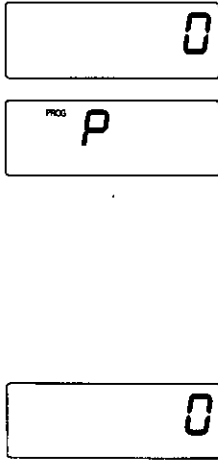
<p>1.</p> 	<ul style="list-style-type: none"> ●Open the door. NOTE:During setting Program Lock, you must keep the door open. ●While pressing the Start Pad, press the Memory Function Pad. <p>Hold in for five seconds, until the display shows "PROG", "P" and "L".</p> <p>NOTE:Do not press the each pad continuously for more than 2 minutes, or a false failure code (F44) may result.</p> <ul style="list-style-type: none"> ●In 3 seconds, "0" will appear in the display. 	
---	--	---

NOTE: In "Program Lock"

- The interrupt feature is deactivated – opening the door cancels the remaining time on the program.
- The defroster cannot be programmed until the program lock feature is deactivated.
- There is no need to press the Start Pad to begin defrosting.

B. To Release Program Lock:

This procedure deactivates "Program Lock" and activates all other Features. Defroster reverts to a 2-touch operating mode (Number/Memory Pad plus Start Pad).

<p>1.</p> 	<ul style="list-style-type: none"> ●Open the door. NOTE:During releasing Program Lock, you must keep the door open. ●While pressing the Start Pad, press the Memory Function Pad. <p>Hold for five seconds, until the display shows "PROG" and "P".</p> <p>NOTE:Do not press the each pad continuously for more than 2 minutes or a false failure code (F44) may result.</p> <ul style="list-style-type: none"> ●In 3 seconds later, "0" will appear in the display. 	
---	---	---

NOTE: In "Program Unlock"

- Repeat and interrupt features are operational
- Number/Memory Pads can be programmed.
- Tone loudness control and length of tone control can be changed.
- You must press the Start Pad to begin defrosting.

C. To Select Beep Tone Options:




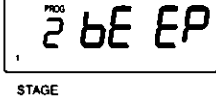

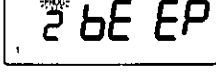

NOTE: In "Program Lock", you can not select Beep Tone Options. "Program Lock" should be cancelled.
(See page 15.)

The Beep Tone can be set for Loudness – (4 levels) and Length of Tone – (2 options). You can select the combination of Loudness and Length that best suits of your needs.







The Beep Tone is set at the factory for the loudest level and for 3 beeps.

During setting, you must keep the door open.

To Select Loudness Level:

Example: To set for the loudness level 2		
1. 	● Press the Memory Function Pad.	
2. 	● Press the Start Pad twice. Example: 3 beep - Loudest 2 beep - Medium 1 beep - Quiet 0 beep - Silent	
3. 	● Press the Memory Function Pad again. You have completed setting of the loudness level. ● 3 seconds later, "0" will appear in the display.	 








To Select Length of Tone:

Example: To set for 60 seconds of Long Beeps		
1.	● Follow steps 1 to 3 above.	
2. 	● Press the Start Pad within 3 seconds. Example: First Stage Indicator "1" illuminated - 3 BEEPS Second Stage Indicator "2" illuminated - 60 seconds of BEEPS	
3. 	● Press the Memory Function Pad again. You have completed setting of the tone length. ● 3 seconds later, "0" will appear in the display.	 

D. To Read Program List:

This feature allows you to review all currently programmed numbers, heating times and power levels for each stage.






For All Memory Pads:

<p>1.</p>	<p>●Open the door. NOTE: During this operation, you must keep the door open.</p>	
<p>2.</p>  <p>+</p> 	<p>●While pressing the Start Pad, press the Number/Memory Pad 1. Display window will show in order the program list from Program Number 1 to 30, Beep Tone Setting and Program Lock (or Program Unlock) Setting.</p> <p>Program list of Program Number 1 is displayed.</p> <p style="text-align: center;">⋮ ↓</p> <p>The Beep Tone Setting is displayed.</p> <p style="text-align: center;">↓</p> <p>The Program Lock "P L" (or Program Unlock "P") is displayed.</p> <p style="text-align: center;">↓</p> <p>All settings have been displayed. Display returns to "0".</p>	  <p>STAGE</p>  

- NOTE:**
- If you want to stop the display, press the Stop/Reset Pad once.
When you want to continue the display, press the Start Pad.
 - If you want to cancel the display, press the Stop/Reset Pad twice.

E. To Read the Cycle Counter:

The Defroster can display the total number of times the defroster has been operated cumulatively. This is useful for analysing usage of the Defroster and traffic flow at the location.

<p>1.</p>	<p>●Open the door. NOTE: During the operation, you must keep the door open.</p>	
<p>2.</p>  <p>+</p> 	<p>●While pressing the Start Pad, press the Power Level Selector Pad. The display shows the total cumulative number of times that the oven has been used.</p> <p>●In 3 seconds later, "0" will appear in the display.</p>	 

Self Diagnostics Failure Code Explanation

This Defroster monitors its operation and displays a Failure Code in the display window if a problem occurs.

What to do when a failure code appears:

CODE	CAUSE	WHAT TO DO
F01	<ul style="list-style-type: none"> •Overcook food. •Temperature of exhaust air too high. 	<ul style="list-style-type: none"> •Unplug the appliance to stop beep. •Wait for appliance to cool down to reset operation. •If food ignites, do not open the door. •If normal operation does not resume, call the service agent with information of failure code.
F33	<ul style="list-style-type: none"> •Open thermistor. 	<ul style="list-style-type: none"> •Unplug the appliance and wait more than 1 minute and reconnect. •If normal operation does not resume, call the service agent with information of failure code.
F34	<ul style="list-style-type: none"> •Short in thermistor. 	
F44	<ul style="list-style-type: none"> •When a pad was pressed for more than 2 minutes. •Defective pad or control circuit. 	
F81 F86	<ul style="list-style-type: none"> •Defective upper magnetron circuit. 	
F82 F87	<ul style="list-style-type: none"> •Defective lower magnetron circuit. 	

Note: Above Codes shown in the display do not indicate all the possible Failures on the unit.

Installation Instructions for Stacking

Important

1. Disconnect the power cord from the wall receptacle before attempting installation.
2. For stacking installation, you must use the PANASONIC "Joint Plate" which is enclosed with this unit. (See page 8.)
3. Combination of the unit for stacking is limited within only the following PANASONIC models.
NE-1057, NE-1457, NE-1467, NE-1257
NE-1757, NE-1767, NE-DF20G
4. The maximum stacking height is two units.

Installation

1. Stack the units and remove the five screws as shown in Fig.1.
2. Loosen screw (a).
3. Place PANASONIC Joint Plate on the screw (a). See Fig. 2.
NOTE: The projection on the Joint Plate must face away from the oven.
4. Carefully place the top unit on the base so as to align the five screw holes of the top unit with those of the Joint Plate. Then attach and tighten five screws. See Fig. 3.

Preparation

Be sure the defroster cavity is empty.

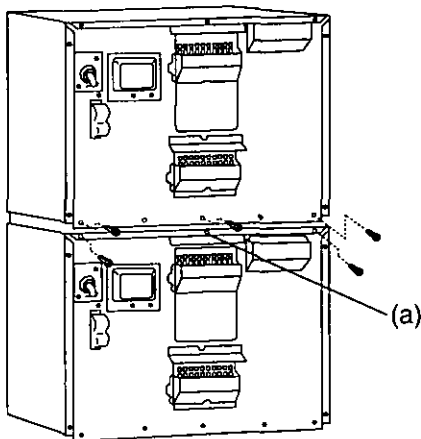


Fig. 1

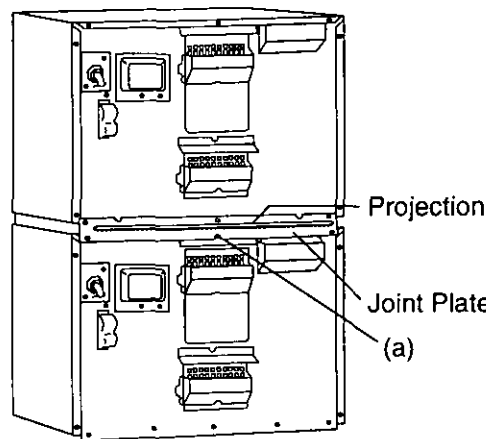


Fig. 2

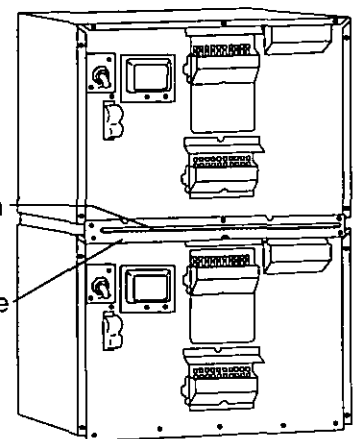


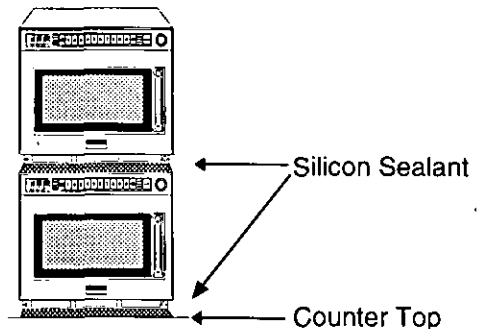
Fig. 3

Sanitary Counter Top Sealing Instructions

When these microwave defroster units are stacked on a counter top, their base must be sealed in accordance with N.S.F. Standards as per the following instructions.

1. Microwave defroster should be located on a level counter top surface.
2. Thoroughly clean the microwave defroster bottom perimeter and the counter top area around the microwave defroster perimeter.
3. Lay a generous bead of silicon seal around the entire perimeter of the two microwave defroster bottoms.
4. Smooth the silicon seal into the crevice with finger or tool to provide a cove seal.
5. Complete the electrical, connections.

Note: Remove the Air Filter from the front of the defroster before applying silicon. DO NOT FORGET to reinstall the Air Filter after applying silicon.

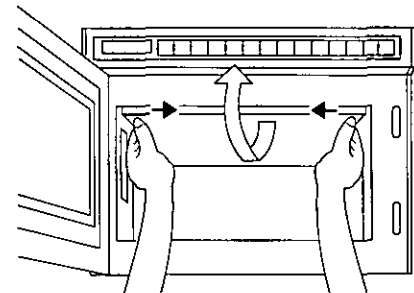


Care of Your Microwave Defroster

1. Remove the plug from the electrical socket before cleaning.
2. Keep the inside of the defroster clean. If pieces of food or spilled liquids stick to the Defroster walls, or between door seal and door surface, they will absorb microwaves and may cause arcing or sparks. Wipe up all spills with a damp cloth. Kitchen detergent may be used if the defroster gets very dirty. Do not use harsh detergents or abrasives.
3. The outside surface of this Microwave Defroster should be cleaned with soap and water, then dried with a soft cloth. Make sure that water does not get into the back ventilation opening since this can damage the unit.
4. The window of the door should be washed with very mild soap and water. Be sure to use a soft cloth. Never use window cleaner. The front door can be scratched by harsh soap or cleaners.

Cleaning of the Splatter Shield

1. Hold snap in-snap out side stoppers of splatter shield with both hands and pull them in and down. Then take the splatter shield out of the oven cavity.
2. Rinse splatter shield in the soapy water.
3. Be sure to replace the shield before using the oven.



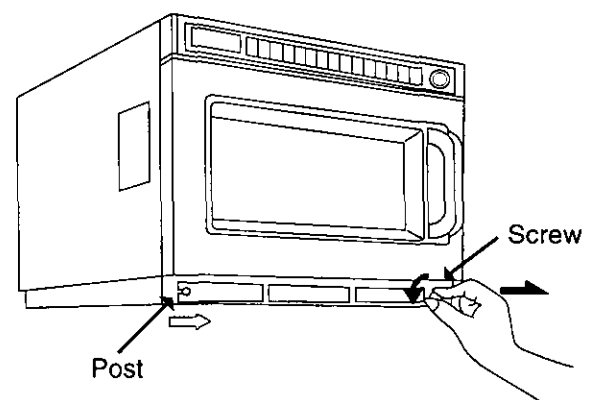
CAUTION

Splatter Shield must be in place securely when you use the oven.

Cleaning the Air Filter

Clean the Air Filter occasionally according to the following instructions. Problems may occur with the Defroster if the filter become clogged with dirt or dust.*

1. Remove the Air Filter from the front bottom skirt by turning the Screw counter-clockwise. Then slide the filter to the right and lift it off the post.
 2. Wash the filter with soap and water.
 3. Make sure to put filter back to original position and tighten the Screw. Be sure to replace the air filter before using this Defroster.
- *If the Air Filter becomes clogged with dust or grease this will cause an overheating problem in the Defroster.



CAUTION

Remove the plug from the electrical socket before replacement of the Cavity Light Bulb.

Replacement of the Cavity Light Bulb

If the Cavity Light burns out, you can replace it yourself by following these simple directions.

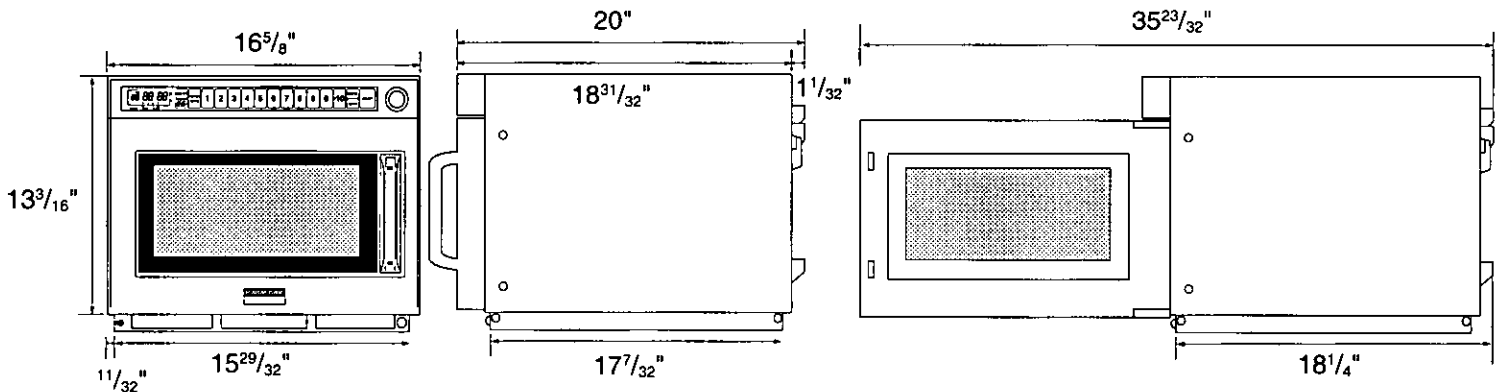
1. Unscrew the Cavity Light Cover which is located on the left side of the cabinet.
2. Replace the old bulb with a new bulb (220 V-250 V, 20 W).
3. Close the Cavity Light Cover.

Technical Specifications

Power Source	208/230 V, 60 Hz, single phase
Required Power (Voltage)	13.7 A (208 V) 12.5 A (230 V)
Receptical Required	15 AMP NEMA # 6-15R 20 AMP NEMA # 6-20R
Output*	Max. 1600 W*
Frequency	2450 MHz
Outer Dimensions (WxDxH)	16 ⁵ / ₈ " x 20" x 13 ³ / ₁₆ " (422 mm x 508 mm x 335 mm)
Cavity Dimensions (WXDXH)	13" x 12 ³ / ₃₂ " x 6 ⁷ / ₈ " (330 mm x 310 mm x 175 mm)
Net Weight	30 kgs/ 66 lbs
Timer	Maximum programable time for single stage heating P6 power = 20 min. Other powers = 60 min.
Memory Capacity	30 programs

*IEC 705-88 Test Procedure

Specifications subject to change without notice.



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