SOLWAVE®

User Manual

C UL US LISTED E214180

ETL SANITATION LISTED Intertek 3088899

Commercial Microwaves

CONFORMS TO UL 923 & CSA C22.2 NO. 150
CONFORMS TO NSF/ANSI 4

Models: 180MWHD12A, 180MWHD18H, 180MWHD21H

12/2024

Read and keep these instructions. Indoor use only.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

1. Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy.

2. Do not place any object between the oven front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.

3. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:

   A.) DOOR (bent)

   B.) HINGES AND LATCHES (broken or loosened)

   C.) DOOR SEALS AND SEALING SURFACES

4. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

Specifications

Model	Voltage	Rated Output Power	Rated Input Power	Dimensions (LxWxH)	Net Wt.	Shipping Wt.	Plug Type
180MWHD12A	120VAC	1200W	2150W	16.5" x 22.25" x 13.5"	62 lb.	69 lb.	NEMA 5-20P
180MWHD18H	208V/230VAC	1800W	2800W	16.5" x 22.25" x 13.5"	65 lb.	71 lb.	NEMA 6-20P
180MWHD21H	208V/230VAC	2100W	3200W	16.5" x 22.25" x 13.5"	65 lb.	71 lb.	NEMA 6-20P

IMPORTANT SAFETY INSTRUCTIONS

Save these instructions.

When using electrical appliances, 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 specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on page 2.

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 provided installation instructions.

5. Some products such as whole eggs and sealed containers—for example, closed glass jars—are able to explode and should not be heated in this oven.

6. Use this appliance only for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.

7. HOT CONTENTS CAN CAUSE SEVERE BURNS. DO NOT ALLOW CHILDREN TO USE THE MICROWAVE. Use caution when removing hot items.

8. 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.

9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.

10. Do not cover or block any openings on the appliance.

11. Do not store this appliance outdoors. Do not use this product near water—for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar location.

12. Do not immerse cord or plug in water.

13. Keep cord away from heated surface.

14. Do not let cord hang over edge of table or counter.

15. When cleaning the door and other exterior parts, use only mild, nonabrasive soaps or detergent applied with a sponge or soft cloth.

16. To reduce the risk of fire in the oven cavity:

    A.) Do not overcook food. Carefully attend appliances when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.

    B.) Remove wire twist-ties from paper or plastic bag before placing bag in oven.

    C.) If material inside of the oven ignites, keep oven door closed, turn oven 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.

17. Liquids, such as water, coffee, or tea, are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUID SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A UTENSIL IS INSERTED INTO THE LIQUID.

    To reduce the risk of injury to persons:

    A.) Do not overheat the liquid.

    B.) Stir the liquid both before and halfway through heating it.

    C.) Do not use straight-sided containers with narrow necks.

    D.) After heating, allow the container to stand in the microwave oven for a short time before removing the container.

    E.) Use extreme care when inserting a spoon or other utensil into the container.

Grounding Instructions

Save these 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 and grounding plug. The appliance 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 3-wire extension cord that has a 3-blade grounded plug and a 3-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.

⚠ **DANGER—Electric Shock Hazard**

Touching some of the internal components can cause serious personal injury or death. Do not disassemble this appliance.

⚠ **WARNING—Electric Shock Hazard**

Improper use of the grounding can result in electric shock. Do not plug into an outlet until appliance is properly installed and grounded.

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.

2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.

3. If a cord or extension cord is used:

   A.) The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.

   B.) The extension cord must be a grounding-type 3-wire cord.

   C.) The longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over unintentionally.

Radio Interference

THIS DEVICE COMPLIES WITH PART 18 OF THE FCC RULES.

1. Operation of the microwave oven may cause interference to your radio, TV, or similar equipment.

2. When there is interference, it may be reduced or eliminated with the following measures:

   A.) Clean door and sealing surface of the oven.

   B.) Reorient the receiving antenna of radio or television.

   C.) Relocate the microwave oven with respect to the receiver.

   D.) Move the microwave oven away from the receiver.

   E.) Plug the microwave oven into a different outlet so that the microwave oven and receiver are on different branch circuits.

Safety

1. The oven must be on a leveled surface.

2. Use only the specified bag size when using Direct Access Popcorn.

3. The oven has several built-in safety switches to ensure that the power remains off when the door is open. Do not tamper with these switches.

4. Do not operate the microwave oven empty. Operating the oven with no food or food that is extremely low in moisture can cause fire, charring, or sparking.

5. Do not heat baby bottles or baby food in the microwave oven. Uneven heating may occur and could cause physical injury.

6. Do not heat narrow-necked containers such as syrup bottles.

7. Do not attempt to deep-fry in your microwave oven.

8. Do not attempt home canning in this microwave oven, as it is impossible to be sure all contents of the jar have reached boiling temperature.

9. Do not use this microwave oven for commercial purposes. This microwave oven is made for household use only.

10. To prevent delayed eruptive boiling of hot liquids and beverages or scalding yourself, stir liquid before placing the container in the oven and again halfway through cooking time. Let stand in the oven for a short time and stir again before removing the container.

11. Exercise caution when cooking food in the microwave oven to avoid burning due to excessive cooking.

12. Failure to maintain the oven in a clean condition could lead to deterioration that could adversely affect the life of the appliance and possibly result in a hazardous situation.

Materials & Utensils in Microwave Oven

Tightly-closed containers could explode. Closed containers should be opened and plastic pouches pierced before cooking. There may be certain non-metallic utensils that are not safe to use for microwaving. If in doubt, test utensil in question with the following procedure:

1. Fill a microwave safe container with 1 cup (250mL) of cold water along with utensil in question.
2. Cook on maximum power for 1 minute. Do not exceed 1 minute.
3. Carefully feel the utensil. If it is warm, do not use for microwave cooking.

See below for a list of materials and their proper handling instructions:

Utensil	Notes
Aluminum Foil	For shielding only. Small, smooth pieces can be used to cover thin parts of meat or poultry to prevent overcooking. Arcing can occur if foil is too close to oven walls. The foil should be at least 1" (2.5 cm) away from oven walls.
Browning Dish	Follow manufacturer's instructions. Bottom of browning dish must be placed on ceramic board. Incorrect usage may cause the ceramic board to break.
Dinnerware	Use only if labeled "microwave safe." Do not use cracked or chipped dishes.
Glass Jars	Always remove lid, and use only to heat food until warm. Most glass jars are not heat-resistant and may break.
Glassware	Use only if heat-resistant. Do not use cracked or chipped dishes, and make sure there is no metallic trim.
Oven Cooking Bags	Do not close with metal tie. Make slits to allow steam to escape.
Paper Plates and Cups	Use for short-term cooking/warming only. Do not leave unattended while cooking.
Paper Towels	Use only to cover food for reheating and absorbing fat. Do not leave unattended while cooking.
Parchment Paper	Use only as a cover to prevent splattering or wrap for steaming.
Plastic	Use only if labeled "microwave safe." Some plastic containers soften as food inside gets hot. "Boiling bags" and tightly closed plastic bags should be slit, pierced, or vented as directed by package.
Plastic Wrap	Use only if labeled "microwave safe." Use to cover food during cooking to retain moisture. Do not allow plastic wrap to touch food.
Thermometers	Use only for use with meat and candy thermometers and if labeled "microwave safe."
Wax Paper	Use as a cover to prevent splattering and retain moisture.

For list of materials to avoid with microwave oven, please see below:

Utensil	Notes
Aluminum Tray	May cause arcing. Transfer food into microwave safe dish.
Food Carton with Metal Handle	May cause arcing. Transfer food into microwave safe dish.
Metal or Metal-Trimmed Utensils	Metal shields the food from microwave energy. Metal trim may cause arcing.
Metal Twist Ties	May cause arcing or start fire.
Paper Bags	May start fire.
Plastic Foam	May melt or contaminate the liquid inside when exposed to a high temperature.
Wood	Will dry out and split or crack.

Setting Up Your Oven

In case of any differences between the appliance and the pictures in this manual, refer to your specific product.
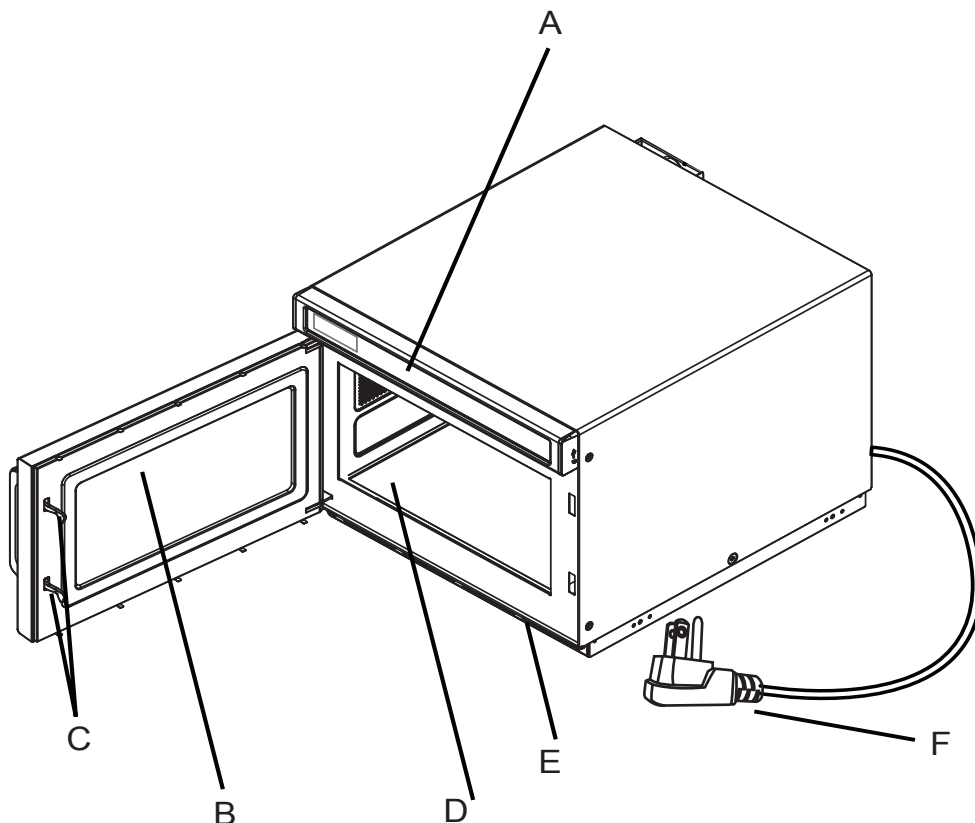
Names of Oven Parts & Accessories

Remove the oven and all materials from the carton and oven cavity.

A.) Control panel

B.) Observation window

C.) Safety interlock system

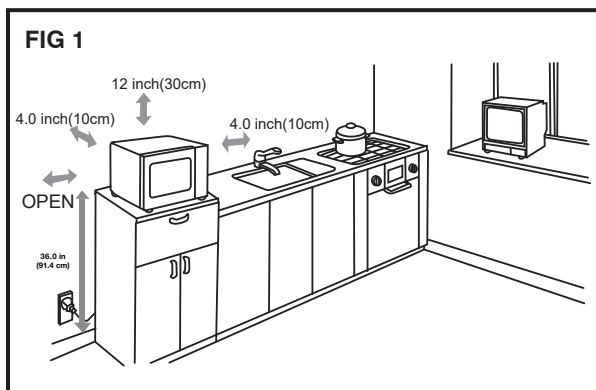D.) Ceramic board

E.) Filter

F.) Plug

NOTES:

1. Do not press the ceramic board forcibly.

2. Place and remove the utensils gently during the operation in order to avoid damage to the ceramic board.

3. After using, do not touch the ceramic board by hand in order to avoid high-temperature scald.
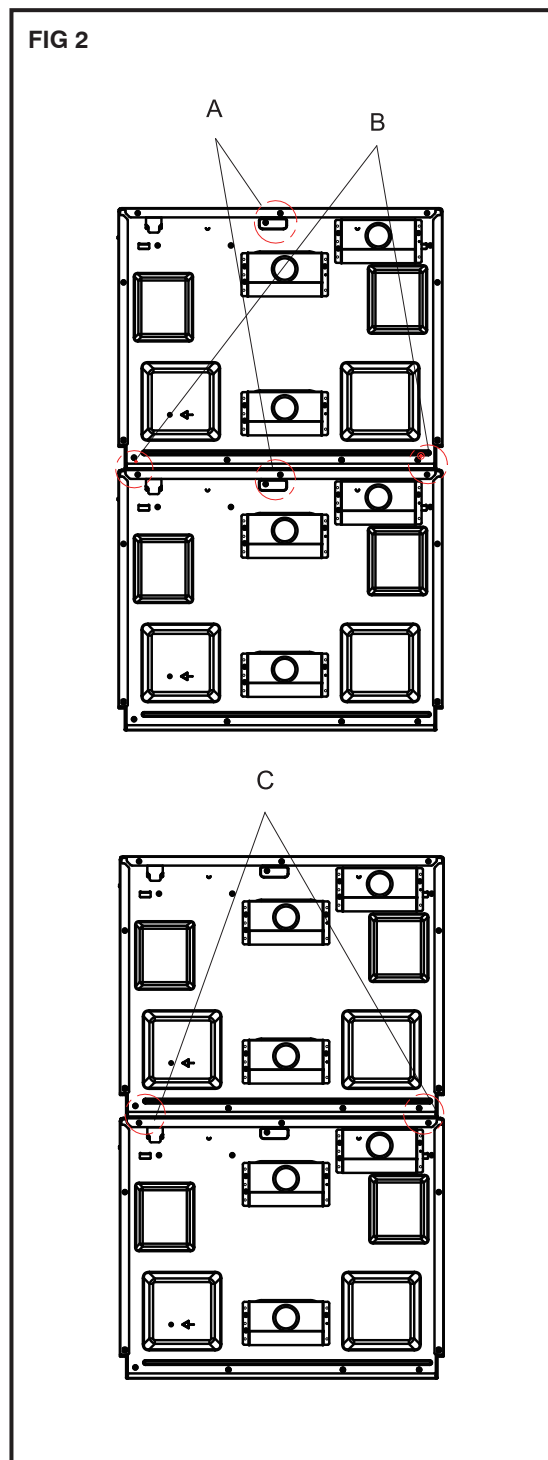
Countertop Installation

1. Remove all packing material and accessories.

2. Examine the oven for any damage such as dents or a broken door. Do not install if oven is damaged.

3. Remove any protective film on the oven's cabinet surface.

FIG 1

12 inch(30cm)
4.0 inch(10cm)   4.0 inch(10cm)
OPEN
36.0 in
(91.4 cm)

Installation

1. Select a level surface that provides enough open space for the intake and/or outlet vents (FIG 1).

   A 4" spacing kept on the top. Never dismantle the appliance's feet, and do not block the air intake and exhaust opening. The left side must be open.

   A.) Blocking the intake and/or outlet openings can damage the oven.

   B.) Place the oven as far away from radios and TVs as possible. Operation of microwave oven may cause interference to your radio or TV reception.

   C.) Plug your oven into a standard household outlet. Be sure the voltage and the frequency are the same as the voltage and the frequency on the rating label.

   D.) WARNING: The plug socket, electric appliances, or the appliance which can be effected by heat and moisture should be kept away from any vents on the oven.

2. Stacking installation instructions below. Never stack more than two units.

   A.) Loosen screws and remove mounting plates as shown (FIG 2). Retighten the screws after the mounting plates have been removed.

   B.) Remove the corner screws as shown in FIG 2. This is where the units will mount together.

   C.) Mount the mounting plates removed in Step A in the position where the screws were removed in Step B (FIG 2). Retighten the screws that were removed from the corners to secure the mounting plates.

FIG 2

A   B

C

Cleaning Instructions

Always keep the oven clean. For cleaning instruction on particular pieces of the appliances, see below:

Glass Viewing Window, Inner Door Panel, and Oven Front:

1. For best performance and to maintain a high degree of safety, the inner door panel should be free of food and grease build-up.
2. Clean parts with mild detergent, rinse, and wipe dry.
3. Never use abrasive powders or pads.

Control Panel and Plastic Parts:

1. Do not apply a detergent or alkaline liquid spray, as it may cause damage.
2. Use a dry cloth, not a soaked cloth.

NOBLE CHEMICAL INC.	**Reflect** GLASS CLEANER	Scrub your glass to a sparkling shine while leaving absolutely no residue or streaks with this Noble Chemical Reflect glass cleaner! Reflect boasts a ready-to-use formula that quickly penetrates dust, grease, soil, and smoke on all glass surfaces.

Oven Interior:

1. Be sure to clean up spilled liquids, splattered oil, and food debris as quickly as possible. If oven is used when dirty, efficiency drops and dirt that gets stuck may cause odors.
2. Use cloth soaked in lukewarm water with a mild detergent that has been dissolved, then rinse soap off with a damp cloth.

⚠ **CAUTION:** Do not wipe plastic and painted sections of the oven with bleach, thinners, or other cleaning agents. This may cause parts to dissolve.
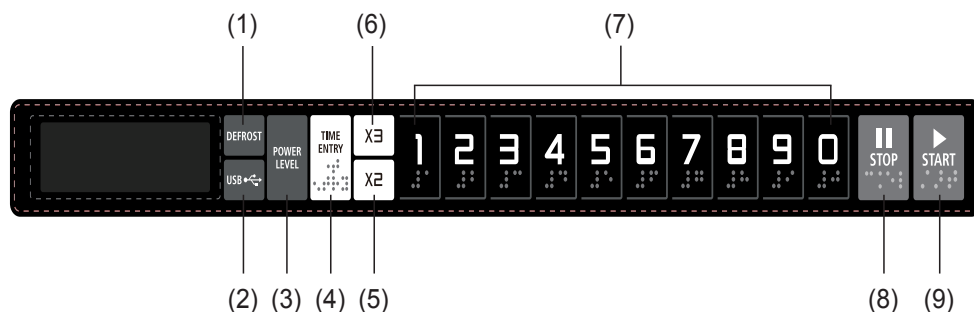
⚠ **CAUTION:** Clean oil blockage and filter regularly. Otherwise, stain on oil blockage will drop on food and appliance will overheat.

NOBLE CHEMICAL INC.	**QuikSan** Surface Sanitizer NOBLE CHEMICAL INC. ELIMINATES 99.99% of BACTERIA	Easily attack and eliminate 99.99% of harmful bacteria with this Noble Chemical QuikSan sanitizer and disinfectant. Its powerful solution is perfect for sanitizing virtually all hard, nonporous food contact surfaces quickly and efficiently.

Control Panel & Features

1. Defrost Button
2. USB Button
3. Power Level Button
4. Time Entry Button
5. Double Quantity Button
6. Triple Quantity Button
7. Number Buttons
8. Stop/Reset Button
9. Start Button

Operation Instructions

USER OPTIONS

Items bolded below are the default values.

Option	Setting	Description
1 EOC Tone	**OP:10**	**3-second beep**
	OP:11	Continuous beep
	OP:12	5 quick beeps, repeating
2 Beeper Volume	OP:20	Beeper off
	OP:21	Low
	OP:22	Medium
	OP:23	**High**
3 Beeper On/Off	OP:30	Keybeep off
	OP:31	**Keybeep on**
4 Keyboard Window	OP:40	15 seconds
	OP:41	30 seconds
	OP:42	**60 seconds**
	OP:43	120 seconds
5 On-the-Fly	OP:50	On-the-fly disabled
	OP:51	**On-the-fly enabled**
6 Door Reset	**OP:60**	**Door reset disabled**
	OP:61	Door reset enabled
7 Max Time	**OP:70**	**60-minute maximum cook time**
	OP:71	10-minute maximum cook time
8 Manual Programming	OP:80	Manual programming disabled
	OP:81	**Manual programming enabled**
0 Clean Filter	OP:00	Off-never display clean filter
	OP:01	Weekly display every 7 days
	OP:02	**Monthly display every 30 days**
	OP:03	Quarterly display every 90 days

DEFAULT COOK TIMES

The oven will ship with the following preset cook times unless otherwise noted in the product specification.

Button	Display (Time)	Power
1	0:10	100%
2	0:20	100%
3	0:30	100%
4	0:45	100%
5	1:00	100%
6	1:30	100%
7	2:00	100%
8	2:30	100%
9	3:00	100%
0	3:30	100%

Operation Instructions

Power Up

" _____ " displays when the oven is electrified for the first time. If "pause" button is pressed, the oven will change to Idle Mode, and then "E" will display.

Idle Mode

1. In Ready Mode or Pause Mode, if there is no operation within a set number of seconds, the oven will enter Idle Mode and "E" will display. The set number of seconds are determined by the setting of User Option 4.

2. During Idle Mode, there shall be no oven activity.

3. When opening and then closing the oven door, the oven will exit Idle Mode and enter Ready Mode.

NOTE: Under Idle Mode, any button press will offer no response. If the "pause" button is pressed, the buzzer will ring once and there shall be no oven activity.

Ready Mode

1. In this mode, the oven is ready to either begin a manual or preset cook cycle.

2. Opening and closing the door while the oven is in Idle Mode will put the oven into Ready Mode.

3. During Ready Mode, "READY" displays.

4. From Ready Mode, the oven can go to almost all of the other modes.

Door Open Mode

1. While the door of the oven is open, the oven shall be in Door Open Mode.

2. If the door is open during cooking state, "DOOR" and "OPEN" will display in order. Then, the screen will display the remaining cooking time and the fan and oven lamp will turn on.

3. When the door is closed, the oven will enter Ready Mode.

NOTE: When the door is open, if User Option OP:60 is selected and the oven was running a manual or preset cook cycle, the oven will go into Pause Mode. In all other cases, the oven will enter Door Open Mode with User Option OP:61 set. Opening and closing the door will clear any information from the manual or preset program that was running.

Pause Mode

1. This mode allows a user to temporarily stop the cooking cycle to inspect or stir food.

2. While in Manual Cook Mode or Preset Program Cook Mode, if the door is open and then closed with User Option OP:60 set, or if the pause button is pressed, the oven will enter Pause Mode.

3. While paused, the screen will display the remaining cooking time.

4. Pause Mode will cycle into Idle Mode in the same way as Ready Mode and the time settings can be configured in User Option 4. Additionally, if the "pause" button is pressed, the oven will immediately enter Ready Mode. Or, if the "start" button is pressed, the oven will go into working mode.

Manual Cook Entry Mode

1. The user may manually enter a cook time and power level while in this mode.

2. While the oven is in the Ready Mode, pressing the "Time Entry" pad on the keyboard will put the oven into Manual Cook Entry Mode.

3. When "00:00" displays in this mode, you can input the time you need.

4. Press "Power Level" button, "%POWER" displays. Press number buttons to select the power level you want, and the corresponding power will light. If you want to choose full power level, press "1" and "0" successively. Then, the screen will display "%POWER." If no power is chosen, 100% power is default.

5. During setting process, press "start" to enter Manual Cook Mode. Press "pause" to enter Ready Mode.

Manual Cook Mode

1. This mode allows cooking of the food items. While in Manual Cook Entry Mode, pressing the "start" button will cause the oven to begin Manual Cook Mode.

2. In this mode, the remaining cooking time shows on the display. The fan and oven light will also run.

3. When the cooking program finishes, the oven will enter End of Cook Cycle Mode. If you press the "pause" button under this mode, the oven will enter Pause Mode.

End-of-Cook-Cycle Mode

1. After the time has expired in a Manual Cook Mode, or a Preset Program Cook Mode, the oven will enter into The End of Cook Cycle Mode.

2. During this mode, "DONE" displays.

3. If either User Option OP:11 or OP:12 is selected, the oven shall continue to sound until the user acknowledges this by either opening and closing the door or pressing the "pause" button. If User Option OP:10 is selected, after the 3-second beep, the oven shall display "DONE." After the beep, "READY" will display and the oven will enter Idle Mode without any operation for a period of time.

Preset Program Cook Mode

1. This mode allows cooking of food items through a one-button touch operation. While in Ready Mode, pressing number buttons will cause the oven to run the Preset Program associated with that number button.

2. During this mode, the screen displays the remaining cooking time. When using multi-stage cooking, the total remaining cooking time displays rather than a specific stage cooking time.

3. When the cooking program finishes, the oven will enter End of Cook Cycle Mode. If you press the "pause" button under this mode, the oven will enter Pause Mode.

On-the-Fly Cooking

1.   While oven is cooking, if User Option OP:51 is selected, press the number buttons and the preset cooking program will start automatically.

2.   The screen displays the remaining cooking time.

3.   When the cooking program finishes, the oven will enter End of Cook Cycle Mode.

Time Defrost Function

1.   In Ready Mode, press the "DEFROST" button. The screen will display "00.00."

2.   Press the number buttons to input defrosting time. The maximum time is 99 minutes and 99 seconds.

3.   Press the "start" button to begin defrosting. The default power is power level 20%.

4.   The remaining cooking time will be displayed. When the cooking program finishes, the oven will enter End of Cook Cycle Mode. If you press the "pause" button under this mode, the oven will enter Pause Mode.

NOTE: When half of the time has passed, the buzzer will sound to remind you to turn the food over. If no operation, the oven will continue working.

Programming Mode

This mode allows the user to assign cook times and power levels to the one-touch buttons.

1.   Open the door and press the "1" button for 5 seconds, the buzzer will sound once and enter to Programming Mode.

2.   "PROGRAM" displays.

3.   Setting Program: Press number button to set the program. After 2 seconds, the screen will display the time associated with that number button.

4.   Press numbers to input the time.

5.   Press "POWER LEVEL" button, "%POWER" displays. Press number buttons to select power level you want and the corresponding power setting will display. You can then enter a new power setting. If you want to choose full power level, press "1" and "0" successively. The screen will display "%POWER." If no power is chosen, 100% power is default.

NOTE: Set the time first, then choose the power.

6.   After setting the time and power, press "start" and the cooking program will be saved. When the program is saved, "PROGRAM" displays.

7.   If the cooking time exceeds the maximum time of User Option 7, when pressing "start" button to save the program, the buzzer will sound three times to notify you that the time did not save. Then, the screen will display "PROGRAM."

8.   Close the door and the oven will return to Ready Mode. If you press the "pause" button during the setting process, the oven will return to Door Open Mode. Any unsaved program will be lost. If there is a program saved, you can select the preset number and the program will run. If there is no program saved, the buzzer will sound to signal an error.

     For example: Set the program as memory cooking. Power level 70% and cooking time is 1 minute and 25 seconds.

Step 1: Open the door, press number button "1" for 5 seconds, "PROGRAM" displays.

Step 2: Press number button "3," the screen will display "P003" after two seconds.

Step 3: Press number buttons "1," "2," and "5" to input the cooking time.

Step 4: Press "POWER LEVEL" button, then press "7"button, "1:25 70" displays. Setting finished.

Step 5: Press "start" button to save. When you use the program next time, just press "3" and the related program will start.

NOTE:

• If the electricity is cut off, the saved program will not be lost.

• If the program needs to reset, just repeat the above steps.

• If you press "pause" at the last step, it will return to Ready Mode and setting will not be saved.

Double/Triple Quantity Cooking

1. If the "X2" or "X3" button is pressed in Ready Mode, followed by the starting of a Preset Program, or if the "X2" or "X3" button is pressed in 5 seconds of starting a Preset Program, the oven will start cooking with the quantity preset cooking time.

2. Press "X2," "DOUBLE" displays. Press "X3," "TRIPLE" displays. When you press number buttons, the screen will display the quantity preset time. *For example:* Number button "5" and its preset time is 1 minute. Then, press "X2" and the time will change to 1:00*2=2 (2 minutes).

3. When the cooking program finishes, the oven will enter End of Cook Cycle Mode.

Stage Cooking Programming

This mode allows the user to cook food items at Manual Cook Mode and Programming Mode.

1. Three stages can be set at most under Cooking Mode or Programming Mode. After setting the power and time for the first stage, press "Time Entry" to set the second stage. Repeat to set the third stage.

2. When setting the second or third stage, press "Time Entry," "STAGE- 2," or "STAGE- 3" displays.

3. Press the "start" button to begin cooking.

Example: In Programming Mode, press number button "3" to set two stages of cooking. The first stage is PL7 and time is 1 minute, 25 seconds. The second stage is PL5 and 5 minutes, 40 seconds. The steps are as follows:

A.) Open the door. Press number button "1" for 5 seconds. "PROGRAM" displays.

B.) Press number button "3", the screen will display "P003." After two seconds, the screen will display the related time ":30."

C.) Press "1," "2," "5" to input the cooking time. "1:25" displays.

D.) Press "POWER LEVEL" button, then press "7" button,"1:25 70" displays
The first stage is finished.

E.) Press "Time Entry," "STAGE-2" displays.

F.) Press "5," "4," "0" button, "5:40" displays.

G.) Press "POWER LEVEL" button, then press "5"button, "5:40 50" displays.
The second stage is finished.

H.) Press "pause" button to start cooking.

NOTE: Defrost cannot be set as one of the modes in stage cooking programming.

Filter Cleaning Function

1. If User Option OP:51 is selected and the setting time arrives, the oven will remind the user to clean the filter.

NOTE: The oven must be electrified.

2. The screen will display "CLEAN FILTER". At this time, pressing the "pause" button or opening the door will put the oven into Ready Mode.

3. If you do not need to clean the filter, press "pause" button and hold for 3 seconds to clear out the remaining information. Otherwise, the oven will remind you during Idle Mode.

USB Function

1. During Ready Mode, insert the U disk which has the saved "Usable" file.

2. Press "USB" button to update the data of the computer board. "LOADING" displays.

3. If the update is successful, the screen will display "SUCCESS." Otherwise, "FAIL" will display.

User Option Mode

This mode allows the user to choose various ways for the oven to operate.

1. Open the oven door and press the "2" button for 5 seconds. The buzzer sounds once and enter this mode.

2. The screen displays "OP: - -."

3. Press any number button to enter related mode setting. For example: To set the voice of the buzzer to medium, press "2," "OP:23" displays. If you want to change, keep pressing "2," the screen displays "OP:20," "OP:21," "OP:22," "OP:23," "OP:20"... in cycle.

4. Press "start" to save the current setting. After being saved, "OP: - -" will display again.

5. During the setting process, press "pause" to enter Door Open Mode. Closing the door will enter Ready Mode.

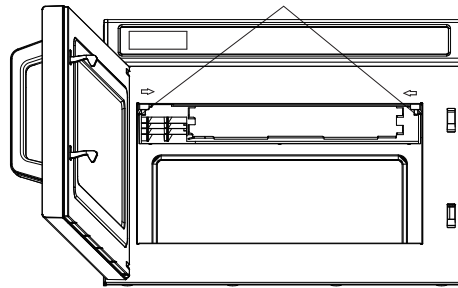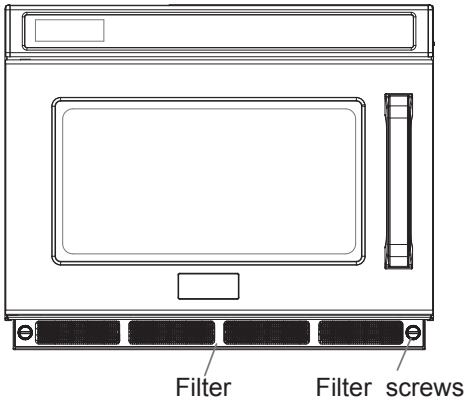If the "start" button is not pressed at the last step, the program will not be saved.

Factory Default Setting

In the Ready Mode, pressing "start" will restore factory-default settings.

1. Press "start" and "0." The buzzer will sound once and the screen will display "CHECK." If the microwave is in the factory-default setting, the screen will display "11" after three seconds. Then the oven will cycle to the Ready Mode. Press "pause" to cancel the display and go back a step on the display.

   If the microwave oven is not in the factory-default setting, the screen will display "00." Press "start" to enter factory-default settings and the screen will display "CLEAR". The buzzer sounds once after a self-test and the screen will then display "11" or "00."

2. If you do not press "start" when the display is "00," the setting will cancel.

NOTE: Be careful in the operation as it will restore all configurations to factory-default settings.

Filter Cleaning

Caution! Make sure the splash shield is installed correctly before use of the microwave oven!

Filter   Filter screws

The front filter serves as the air inlet. The filter should be cleaned on time to keep the chamber clean.

1.   Unscrew and remove the filter. Wash with soap and warm water.

2.   Replace the filter and tighten the screws. Ensure the filter is installed correctly before using the microwave.

The factory setting has a function to remind the user to wash the filter every 30 days.

Splash Shield Cleaning

1.   Detach the splash shield by holding the two buckle positions in the front and pulling. Pull downwards after you have pulled out the buckles.

2.   Wash the splash shield with soap and warm water.

3.   Replace the splash shield and insert all positioning pins into their positioning holes.

Installation (supplement)

1. The switching operation of this microwave oven can cause voltage fluctuations on the supply line. The operation of this oven under unfavorable voltage supply conditions can have adverse effects. This device is intended for the connection to a power supply system with a maximum permissible system impedance Zmax of 0.2 Ohms at the interface point of the user's supply. The user has to ensure that this device is connected only to a power supply system which fulfills the requirement above. If necessary, the user can ask the public power supply company for the system impedance at the interface point.

2. If there is no equipotential bonding conductor in the electric supply, an external equipotential bonding conductor must be installed at the rear of the appliance (see symbol). This terminal shall be in effective electrical contact with all fixed exposed metal parts and shall allow the connection of a conductor having a nominal cross-sectional area up to 10 mm^2.

Symbol for the external connection of equipotential bonding conductors.

Troubleshooting

For problems with the microwave oven, please use the chart below to find a solution for each issue.

Problem	Possible Cause	Solution
Oven will not start	A. Electrical cord is not plugged in. B. Door is open. C. Wrong operation is set.	A. Plug into outlet. B. Close door and try again. C. Check instructions.
Arcing or sparking	A. Materials to be avoided in oven were used. B. The oven is operated when empty. C. Spilled food remains in the cavity.	A. Use microwave safe cookware only. B. Do not operate with oven empty. C. Clean with wet towel.
Unevenly cooked foods	A. Materials to be avoided in oven were used. B. Food is not defrosted completely. C. Cooking time and power level are not suitable. D. Food is not turned or stirred.	A. Use microwave safe cookware only. B. Completely defrost food. C. Use correct cooking time and power level. D. Turn or stir food.
Overcooked foods	Cooking time and power level are not suitable.	Use correct cooking time and power level.
Undercooked foods	A. Materials to be avoided in oven were used. B. Food is not defrosted completely. C. Oven ventilation ports are restricted. D. Cooking time and power level are not suitable.	A. Use microwave safe cookware only. B. Completely defrost food. C. Correct ventilation ports. D. Use correct cooking time and power level.
Improper defrosting	A. Materials to be avoided in oven were used. B. Cooking time and power level are not suitable. C. Food is not turned or stirred.	A. Use microwave safe cookware only. B. Use correct cooking time and power level. C. Turn or stir food.
The screen display is "E-01" or "E-02"	Temperature sensor breakdown.	Unplug, then plug in again after 10 seconds.