



Commercial Microwaves



Model: 180MWHD12, 180MWHD18, 180MWHD21

04/2020

Please read and keep these instructions. Indoor use only.

Specifications

Model	Voltage	Power	Dimensions (LxWxH)	Net Wt.	Shipping Wt.	Plug Type
180MW12HD	120V	1200W	16.5" x 22.25" x 13.5"			NEMA 5-20P
180MW18HD	208V/240V	1800W	16.5" x 22.25" x 13.5"			NEMA 6-20P
180MW21HD	208V/240V	2100W	16.5" x 22.25" x 13.5"			NEMA 6-20P

IMPORTANT SAFETY INSTRUCTIONS

1. Do not attempt to operate this microwave oven with the door open. This can result in harmful exposure to microwave energy.
2. Do not operate the oven if it is damaged. Always ensure there is no damage to the door, hinges, latches, door seals, cord or plug.
3. Do not modify or tamper with safety locks.
4. Do not place any object between the front of the microwave oven and the door. It is also necessary to prevent food splatter and cleaning residue from accumulating on the sealing surfaces around the door.
5. As with other cooking appliances, observation is necessary to reduce the risk of fire in the oven cavity.
6. To reduce the risk of fire inside oven cavity:
 - a. Do not overcook food.
 - b. Pay close attention when placing paper, plastic, or other combustible materials inside the oven to facilitate cooking.
 - c. Remove wire twist-ties and metal handles from paper or plastic containers/bags.
 - d. If materials inside the oven ignite, keep door closed and unplug appliance.
 - e. Do not use oven cavity for storage purposes. Do not leave paper products or cooking utensils in the cavity when not in use.
7. This appliance must be grounded. Connect only to a properly grounded outlet. For more information, see "GROUNDING INSTRUCTIONS" on page (3).
8. Install or position this oven only in accordance with the installation instructions provided.
9. Use this appliance only for its intended purpose as described in this manual.
10. Do not use corrosive chemicals or vapors in this appliance.
11. Supervision is necessary when used by children.
12. Do not cover or block any openings on the oven.
13. Do not store or use this appliance outdoors.
14. Do not use this oven near water – for example, near a kitchen sink, in a wet basement, near a swimming pool, or other similar location.
15. Do not immerse cord or plug in water.
16. Keep cord away from heated surfaces.
17. Do not let cord hang over the edge of a table or counter.
18. When cleaning, use only mild, nonabrasive soaps or detergents and a sponge or soft cloth.
19. Liquids such as water, coffee, or tea may be heated beyond their boiling point without the appearance of 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.**
20. To reduce the risk of injury:
 - 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.

SAVE THESE INSTRUCTIONS

Grounding Instructions

This appliance must be used with a grounded outlet. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an alternate pathway for the electrical 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**  Attempting to bypass the grounding prong on the power cable can result in a risk of electric shock.

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

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood or if doubt exists as to whether or not 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 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. The cord should not drape over a countertop or tabletop where it can be pulled on by children or tripped over.

Radio Interference

Operation of the microwave oven may cause interference to your radio, TV, or similar equipment. When there is interference, it may be reduced or eliminated with the following measures:

1. Clean door and sealing surface of the oven.
2. Reorient the receiving antenna of radio or television.
3. Move the microwave oven to a different location or plug it into a different outlet so that the oven and receiver are on different branch circuits.

Materials and 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.

For list of materials to use with microwave oven, please see below for proper handling:

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 inch (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	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	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	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	Only in labeled "microwave-safe." Use to cover food during cooking to retain moisture. Do not allow plastic wrap to touch food.
Thermometers	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

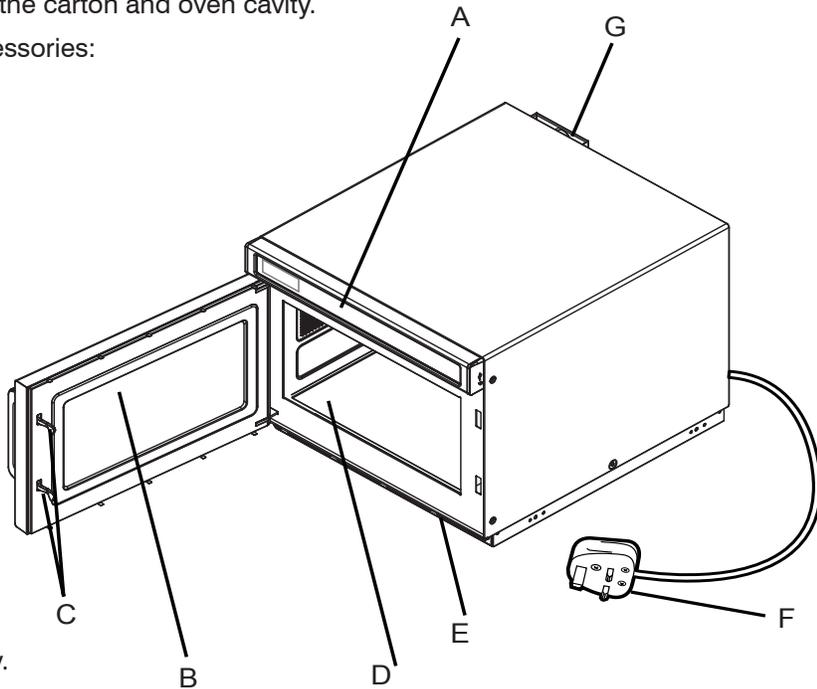
Names of Oven Parts & Accessories

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

Your oven comes with the following accessories:

Instruction Manual

- A) Control Panel
- B) Observation Window
- C) Safety Interlock System
- D) Ceramic Board
- E) Filter
- F) Plug
- G) Ventilation



Note:

- 1) Don't press the ceramic board forcibly.
- 2) When using the microwave, carefully place items onto the ceramic board in order to avoid damage to the surface.
- 3) After using, don't touch the ceramic board with your hands in order to avoid high temperature burns.

Countertop Installation

Remove all packing material and accessories. Examine the oven for any damage such as dents or broken door. Do not install if oven is damaged.

Cabinet: Remove any protective film found on the microwave cabinet surface.

1) Select a level surface that provides enough open space for the intake and/or....Never remove the appliance's feet or block the air intake and exhaust opening. The left side must be left exposed.

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

B) Place the oven as far away from radios and TV 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 is the same as the voltage and the frequency on the rating label.

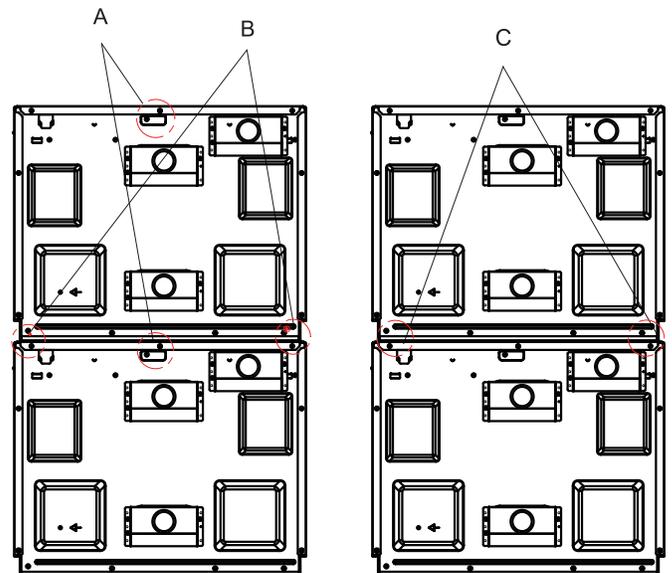
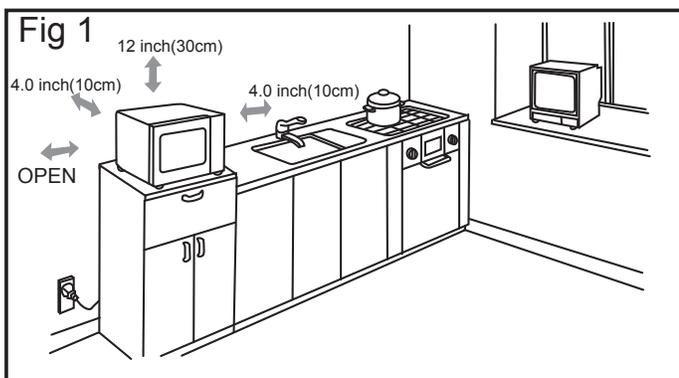
WARNING: The plug socket, electric appliances, or items which may be effected by heat and moisture should be kept away from any vents on the oven.

2) Stacking and installation of the microwave oven. Do not stack more than two microwave ovens together. Specific stacking instructions are as follows:

A) Unscrew and remove the mounting plate, and then tighten the screws.

B) Remove the four screws as shown in Figure 2.

C) Secure the mounting plate to the lower microwave oven and tighten the screws.



Cleaning Instructions

Always keep the oven clean. For cleaning instructions on particular pieces of the appliance, see below.

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

1. For best performance and to maintain a high degree of safety, inner door panel should be free of food and grease build-up.
2. Wipe 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.



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.

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 damp cloth.



Do not wipe plastic and painted sections of the oven with bleach, thinners, or other cleaning agents. This may cause parts to dissolve.



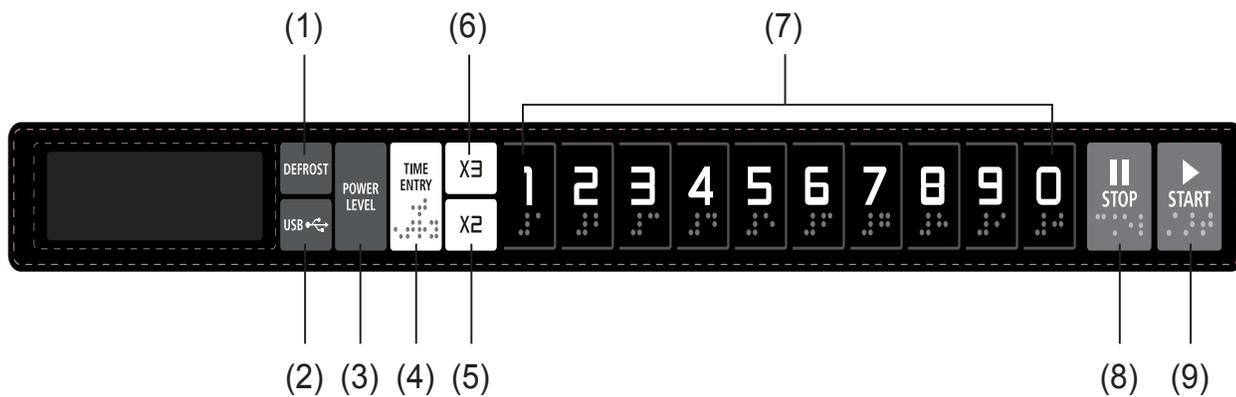
Clean oil blockage and filter regularly. Otherwise, stain on oil blockage will drop on food and appliance will overheat.



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.

OPERATION

Control Panel(with braille) and Features



- (1) Defrost Button
- (2) USB Buttons
- (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 INSTRUCTION

Appendix. A User Options

Items bolded below are the default values.

Option	Setting	Discription
1 EOC Tone	OP:10	3 seconds 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 Programing	OP:80	Manual Programming Disabled
	OP:81	Manual Programming Enabled
9 Double Digit	OP:90	Single Digit Mode-10 programs
	OP:91	Doule Digit Mode-100 programs
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

Appendix. B Default Cook Times

The oven shall ship with the following Preset Cook Times unless otherwise noted in the product Specification.

Button	Display (Time)	Power	Cook Factors
1	0:10	100%	80%
2	0:20	100%	80%
3	0:30	100%	80%
4	0:45	100%	80%
5	1:00	100%	80%
6	1:30	100%	80%
7	2:00	100%	80%
8	2:30	100%	80%
9	3:00	100%	80%
0	3:30	100%	80%

1. Power Up

When the oven is electrified for the first time, the voltage will display for 3 times and then "-----" will display. If "  " button pressed, the oven will change to idle mode.

Note: In idle mode, any buttons pressed will produce no response.

2. Idle Mode

A) The microwave oven will enter Idle Mode after several seconds have passed in Ready Mode without any key being pressed or the door opened and closed. You can control this time using the settings for Timeout Window, set on User Option 4.

B) During Idle Mode, the screen is blank and the oven will not operate.

C) Opening and closing the door will cycle the oven out of Idle Mode and into Ready Mode.

Note: Under Idle Mode, any button pressed will produce no response. If "  " button pressed, the buzzer will ring once but the oven will not operate.

3. Ready Mode

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

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

C) During Ready Mode, "READY" displays.

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

4. Door Open Mode

A) The microwave oven enters Door Open Mode when the door of the oven is open.

B) In Door Open Mode the screen is blank. If the microwave oven was cooking before the door was opened, "DOOR" and "OPEN" will display in order on the screen. Then the screen will display the remaining cook time while the fan and light remain on.

C) When the door is closed, the oven will cycle into 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.

5. Pause Mode

- A) This mode allows a user to temporarily stop the cooking cycle to inspect or stir food.
- B) The oven will enter Pause Mode if the door is opened and then closed or if the "⏸" pad is pressed.
- C) While paused, the screen will display the remaining cooking time.
- D) 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 "⏸" is pressed, the oven will immediately enter Ready Mode. Or if the "▶" is pressed, the oven will go into working mode.

6. Manual Cook Entry Mode

- A) The user may manually enter a cook time and power level while in this mode.
- B) 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.
- C) When "00:00" displays in this mode, you can input the time you need.
- D) Press "Power Level" button, "%POWER" displays. Press number buttons to select 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.
- E) During setting process, press "▶" to enter Manual Cook Mode. Press "⏸" to enter Ready Mode.

7. Manual Cook Mode

- A) This mode allows you to set the cook time for food items manually. While in Manual Cook Entry Mode, pressing the "▶" pad will cause the oven to begin Manual Cook Mode.
- B) In this mode the remaining cooking time shows on the display. The fan and oven light will also run.
- C) When the cooking program finishes, the oven will enter End of Cook Cycle Mode. If you press "⏸" button under this mode, the oven will enter Pause Mode.

8. End of Cook Cycle Mode

- A) After the time has expired in a Manual Cook Mode, or a Preset Program Cook Mode, the oven shall go into The End of Cook Cycle Mode.
- B) During this mode, "DONE" displays.
- C) 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 "⏸" pad. 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.

9. Preset Program Cook Mode

- A) This mode allows cooking of food items through a one pad touch operation. While in Ready Mode, pressing number buttons will cause the oven to run the Preset Program associated with that number button.
- B) During this mode, the screen displays the remaining cooking time. When using multi-stage cooking, the total remaining cooking time displays not a particular stage cooking time.
- C) When the cooking program finishes, the oven will enter End of Cook Cycle Mode. If you press "  " button under this mode, the oven will enter Pause Mode.

10. On The Fly Cooking

- A) To change programs while the oven is running, select User Option OP:51, and then press the number button that represents the preset program of your choice. The preset cooking program will start automatically.
- B) The screen displays the remaining cooking time.
- C) When the cooking program finishes, the oven will enter End of Cook Cycle Mode.

11. Time Defrost Function

- A) In Ready Mode, press "DEFROST" button. The screen will display "00.00".
- B) Press number buttons to input defrosting time. The maximum time is 99 minutes and 99 seconds.
- C) Press "  " to start defrosting. The default power is power level 20%.
- D) The remaining cooking time will be displayed. When the cooking program finishes, the oven will enter End of Cook Cycle Mode. If you press "  " button under this mode, the oven will enter Pause Mode.

12. Programming Mode

This mode allows the user to assign cook times and power levels to the once touch button.

- A) Open the door and press "1" pad for 5 seconds, the buzzer will sound once and enter to Programming Mode.
- B) "PROGRAM" displays.
- C) Setting Program: Press number button to set the program. 2 seconds later, the screen will display the time associated with that number button.
- D) Press "POWER LEVEL" button, "%POWER" displays. Press number buttons to select power level you want and the existing 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 the screen will display "%POWER". If no power is chosen, 100% power is default.

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

- E) After setting the time and power, press "  ", the cooking program will be saved. When the program saved, "PROGRAM" displays.

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

- E) After setting the time and power, press "  ", the cooking program will be saved. When the program saved, "PROGRAM" displays.
- F) Change this whole section to: If your programmed cooking time exceeds the max cook time allowed, when you press the "  " to save the program, the microwave will beep three times briefly to alert you that the program has not saved. The screen will then return to displaying "PROGRAM" to prompt another attempt.
- G) Close the door and the oven will return to Ready Mode. If you press the "  " button during the setting process, the oven will return to Door Open Mode. Your 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 "P:03", after two seconds.

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

Step 4: Press "7" button, "1:25 70" displays. Setting finished.

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

Note:

- 1) If the electricity is cut off, the saved program will not be lost.
- 2) If the program need to reset , just repeat the above steps.
- 3) If you press "  " at the last step, it will return to Ready Mode and your setting will not be saved.

13. Double/Triple Quantity Cooking

- A) 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.
- B) 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", then time will change to $1:00 * 2 = 2$ (2 minutes).

- C) When the cooking program finishes, the oven will enter End of Cook Cycle Mode.

14. Stage Cooking Programming

This mode allows the user to cook food items at manual cook mode and programming mode.

- A) 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. And the same step to set the third stage.
- B) When setting the second or third stage, press "Time Entry", "STAGE 2", "STAGE 3" displays.
- C) Press "  " button to start cooking.

Example: In programming mode, press number buttons "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:

- 1) Open the door. Press number button "1" for 5 seconds. "PROGRAM" displays.
- 2) Press number button "3", the screen will display "P:03". After two seconds, the screen will display the related time ":30".
- 3) Press "1", "2", "5" to input the cooking time. "1:25" displays.
- 4) Press "Med-Hi 70%", "1:25 70" displays.
The first stage is finished.
- 5) Press "Time Entry", "STAGE 2" displays.
- 6) Press "5", "4", "0" button, "5:40" displays.
- 7) Press "Medium 50% ", "5:40 50" displays.
The second stage is finished.
- 8) Press "  " button to start cooking.
- 9) The total time counts down.

15. Filter Cleaning Function

- A) If User Option OP:51 is selected and the setting time arrives, the oven will remind the user to cleaning the filter.

Note: The oven must be electrified.

- B) The screen will display "CLEAN FILTER". At this time, pressing "  " button or opening the door will put the oven into Ready Mode.
- C) If you do not need to clean the filter, press "  " button and hold for 3 seconds to clear out the reminder information. Otherwise, the oven will remind you all the time during Idle Mode.

16. USB Function

- A) During Ready Mode, insert the U disk which saved the "Utable" file.
- B) Press "USB" button to update the data of computer board. "LOADING" displays.
- C) If the update is successful, the screen will display "SUCCESS". Otherwise, "Fail" will display.
- D) Press "  " or open the door to finish it.

17. Use Option Mode

This mode allows the user to cook food items at manual cook mode and programming mode.

- A) Open the oven door and press "2" pad for 5 seconds. The buzzer sounds once and enter this mode.
- B) The screen displays "OP: - -".
- C) Press any number button to enter related mode setting.
For example: to set the voice of the buzzer to medium. Press " 2 ", "OP:22" displays.
If you want to change, keep pressing "2", the screen displays "OP:20", "OP:21", "OP:22", "OP:23", "OP:20"in cycle.
- D) Press "  " to save the current setting. After saved, "OP: - -" display again.
- E) During setting process, press "  " to enter Door Open Mode. Close the door will enter Ready Mode.
- F) If "  " button not pressed at the last step, the program cannot be saved but stay at previous way.

18. Factory Default Setting

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

- A) Press "  " and "0". The buzzer will sound once and the screen will display "CHECK".

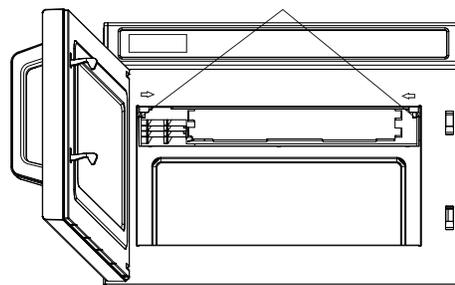
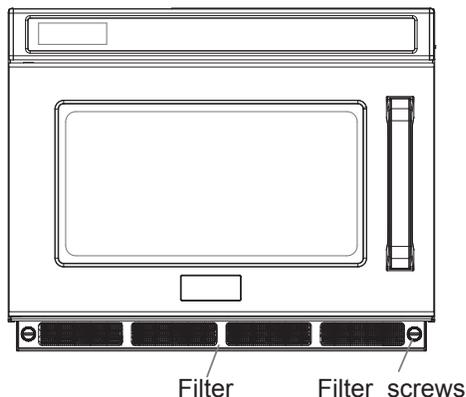
If the microwave is in the factory-default setting, the screen will display "11" after three seconds. Then the oven will cycle to the Ready Mode. Press "  " to cancel the display and go back a step on the display.

If the microwave oven is not in the factory-default setting, the screen will display "00". Press "  " 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".

- B) If do not press "  " when the display " 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!

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

- 1) Turn counterclockwise to unscrew and take down the filter; and wash it with warm water.
- 2) To install the filter screen, tighten the screws clockwise.
- 3) Make sure the filter is installed before use of the microwave oven.
- 4) The factory setting has the function to remind the user of washing the filter every 30 days.

Splash shield cleaning

- 1) Detaching: Hold the two buckle positions in front of the splash shield with your (as shown by the arrows). Exert your strength following the direction of the arrows and pull downwards after you have pulled out the buckle.
- 2) Wash the splash shield.
- 3) Installation: Pick up the splash shield and place it into the chamber so that the first pin is aligned with the hole on the rear plate of the chamber. Then push the other side to insert all positioning pins into their respective holes.

Limited Warranty

Solwave Models: 180MWHD12, 180MWHD18, 180MWHD21

All new Solwave models used for commercial purpose are warranted against defects in materials and workmanship under normal use and maintenance. The Warranty runs for one year on parts and labor and three years on the magnetrons from the date of original installation and is for the benefit of the original purchaser only. All other warranties, expressed or implied, statutory or otherwise, including without limitation any implied warranty of merchantability for fitness for purposes are excluded. The seller shall in no event be liable for direct, indirect or consequential damages in connection with Solwave commercial products.

Exclusions

The following conditions are not covered by warranty:

- Equipment damage or equipment failure occurs because of accident, carelessness, lack of proper set-up, supervision when required, or if the equipment is installed or operated in any manner contrary to the installation and operating instructions.
- Equipment damage or equipment failure due to improper installation, improper utility connection or supply, and problems due to ventilation.
- Equipment that has not been used appropriately, or has been subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, or act of God. • Equipment that has the model number or serial number removed or altered.
- Equipment that has been changed, altered, or modified or repaired by other than an Authorized Service Agency. Solwave shall not be held liable for any damages to any person or property which may result from the use of the equipment thereafter.

This warranty does not apply to, and Solwave is not responsible for any warranty claims on products sold or used outside of the contiguous United States.

This equipment is intended for commercial use only. Warranty is void if equipment is installed in other than commercial applications.