

Microwave Oven

Installation manual

ME11*7510** / ME11**7510** / ME11*7710**



SAMSUNG

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Before you begin

ABOUT THIS MANUAL

READ THESE INSTRUCTIONS COMPLETELY AND CAREFULLY.

Important

- Save these instructions for local inspector's use.
- Observe all governing codes and ordinances.

Important note to the installer

Be sure to leave these instructions with the Consumer.

Important note to the consumer

Keep these instructions with your user manual for future reference.

Skill level

Installation of this appliance requires basic mechanical and electrical skills.

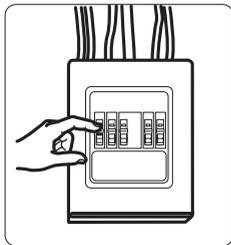
Proper installation is the responsibility of the installer

Product failure due to improper installation is not covered under the Warranty

General information

IMPORTANT SAFETY INSTRUCTIONS

This product requires a three-prong grounded outlet. The installer must perform a ground continuity check on the power outlet box before beginning the installation to ensure that the outlet box is properly grounded. If not properly grounded, or if the outlet box does not meet electrical requirements noted (under ELECTRICAL REQUIREMENTS), a qualified electrician should be employed to correct any deficiencies.



⚠ CAUTION

For personal safety, remove the house fuse or open the circuit breaker before beginning the installation to avoid severe or fatal shock injury.

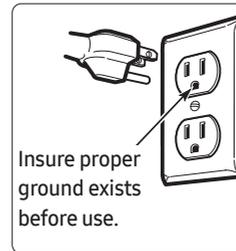
⚠ CAUTION

- For personal safety, the mounting surface must be capable of supporting the cabinet load in addition to the added weight of this 69 pound product, plus additional oven loads of up to 50 pounds or a total weight of 119 pounds.
- For personal safety, do not install this product in cabinetry configured as an island or a peninsula. The microwave oven must be mounted to BOTH a top cabinet AND a wall.

📖 NOTE

For easier installation and personal safety, we recommend that two people install this product.

IMPORTANT – PLEASE READ CAREFULLY. FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED TO AVOID SEVERE OR FATAL SHOCK.



The power cord of this appliance is equipped with a three-prong (grounding) plug which mates with a standard three-prong (grounding) wall receptacle to minimize the possibility of electric shock hazard from this appliance.

You should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded.

If you have a standard two-prong wall receptacle, it is very important to have it replaced with a properly grounded three-prong wall receptacle, installed by a qualified electrician.

DO NOT, UNDER ANY CIRCUMSTANCES, CUT, DEFORM OR REMOVE ANY OF THE PRONGS FROM THE POWER CORD. DO NOT USE WITH AN EXTENSION CORD.

ELECTRICAL REQUIREMENTS

Product rating is 120 volts AC, 60 Hertz. This product must be connected to a supply circuit of the proper voltage and frequency. Wire size must conform to the requirements of the National Electrical Code or the prevailing local code for this kilowatt rating. The power supply cord and plug should be brought to a separate branch circuit single grounded outlet of at least 15 A and max of 20 A. 20 A is recommended for multifamily buildings. The outlet box should be located in the cabinet above the microwave oven. The outlet box and supply circuit should be installed by a qualified electrician and conform to the National Electrical Code or the prevailing local code.

General information

HOOD EXHAUST

NOTE

Read these next two pages only if you plan to vent your exhaust to the outside. If you plan to recirculate the air back into the room, proceed to page 12.

OUTSIDE TOP EXHAUST (EXAMPLE ONLY)

The following chart contains an example of one possible ductwork installation.

DUCT PIECES		EQUIVALENT LENGTH	x	NUMBER USED	=	EQUIVALENT LENGTH
	Roof Cap	24 ft.	x	(1)	=	24 ft.
	12 Ft. Straight Duct (6" Round)	12 ft.	x	(1)	=	12 ft.
	Rectangular-to-Round Transition Adaptor*	5 ft.	x	(1)	=	5 ft.
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any vent hood.					Total Length	= 41 ft.

IMPORTANT:

If a rectangular-to-round transition adaptor is used, the bottom corners of the damper will have to be cut to fit, using the tin snips, in order to allow free movement of the damper.

OUTSIDE BACK EXHAUST (EXAMPLE ONLY)

The following chart contains an example of one possible ductwork installation.

DUCT PIECES		EQUIVALENT LENGTH	x	NUMBER USED	=	EQUIVALENT LENGTH
	Wall Cap	40 ft.	x	(1)	=	40 ft.
	3 Ft. Straight Duct (3 1/4" x 10" Rectangular)	3 ft.	x	(1)	=	3 ft.
	90° Elbow	10 ft.	x	(2)	=	20 ft.
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any vent hood.					Total Length	= 63 ft.

NOTE

For back exhaust, care should be taken to align the exhaust with the space between studs, or the wall should be prepared at the time it is constructed by leaving enough space between the wall studs to accommodate exhaust.

NOTE

If you need to install ducts, note that the total duct length of 3 ¼" x 10" rectangular or 6" diameter round duct should not exceed 140 equivalent feet. Outside ventilation requires a HOOD EXHAUST DUCT. Read the following carefully.

NOTE

It is important that venting be installed using the most direct route and with as few elbows as possible. This ensures clear venting of exhaust and helps prevent blockages. Also, make sure dampers swing freely and nothing is blocking the ducts.

Exhaust connection:

The hood exhaust has been designed to mate with a standard 3 ¼" x 10" rectangular duct. If a round duct is required, a rectangular-to-round transition adaptor must be used. Do not use less than a 6" diameter duct.

Maximum duct length:

For satisfactory air movement, the total duct length of 3 ¼" x 10" rectangular or 6" diameter round duct should not exceed 140 equivalent feet.

Elbows, transitions, wall and roof caps, etc. present additional resistance to airflow and are equivalent to a section of straight duct which is longer than their actual physical size. When calculating the total duct length, add the equivalent lengths of all transitions and adaptors plus the length of all straight duct sections. The chart below shows you how to calculate total equivalent ductwork length using the equivalent length in feet of some typical ducts.

DUCT PIECES		EQUIVALENT LENGTH	x	NUMBER USED	=	EQUIVALENT LENGTH	
	Rectangular-to-Round Transition Adaptor*	5 ft.	x	()	=	ft.	
	Wall Cap	40 ft.	x	()	=	ft.	
	90° Elbow	10 ft.	x	()	=	ft.	
	45° Elbow	5 ft.	x	()	=	ft.	
	90° Elbow	25 ft.	x	()	=	ft.	
	45° Elbow	5 ft.	x	()	=	ft.	
	Roof Cap	24 ft.	x	()	=	ft.	
	Straight Duct 6" Round or 3 ¼" x 10" Rectangular	1 ft.	x	()	=	ft.	
Total Ductwork						=	ft.



***IMPORTANT:** If a rectangular-to-round transition adaptor is used, the bottom corners of the damper will have to be cut to fit, using tin snips, to allow free movement of the damper. Equivalent lengths of duct pieces are based on actual tests and reflect the requirements for good venting performance with any vent hood.

General information

DAMAGE - SHIPMENT/INSTALLATION

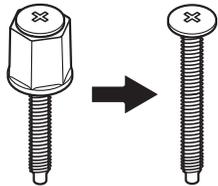
- If the unit is damaged in shipment, return the unit to the store in which it was bought for repair or replacement.
- If the unit is damaged by the customer, repair or replacement is the responsibility of the customer.
- If the unit is damaged by the installer (if other than the customer), repair or replacement must be made by arrangement between the customer and installer.

PARTS INCLUDED

HARDWARE PACKET

PART	QUANTITY
	Wood Screws 1
	Toggle Bolts (and wing nuts) 2
	Self-aligning Machine Screws With Supporter 2

You will find the installation hardware contained in a packet with the unit. Check to make sure you have all these parts.



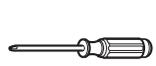
NOTE

If Cabinet Thickness is over 1", Remove Supporter.

ADDITIONAL PARTS

PART	QUANTITY
	Top Cabinet Template 1
	Rear Wall Template 1
	Installation Instructions 1
	Exhaust Adaptor 1
	Separately Packed Grease Filters 2
	Separately Packed Charcoal Filters 2
	Cover Air-Right 2
	Cover Air-Left 1

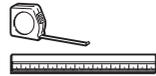
TOOLS YOU WILL NEED



#1 and #2 Phillips screwdriver



Pencil



Ruler or tape measure and straight edge



Carpenter square (optional)



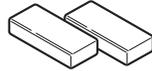
Tin snips (for cutting damper, if required)



Scissors (to cut template, if necessary)



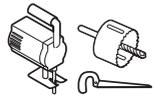
Electric drill with $\frac{3}{16}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ " drill bits



Filler blocks or scrap wood pieces, if needed for top cabinet spacing (used on recessed bottom cabinet installations only)



Gloves



Saw (saber, hole or keyhole)



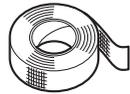
Stud finder or Hammer (optional)



Safety goggles

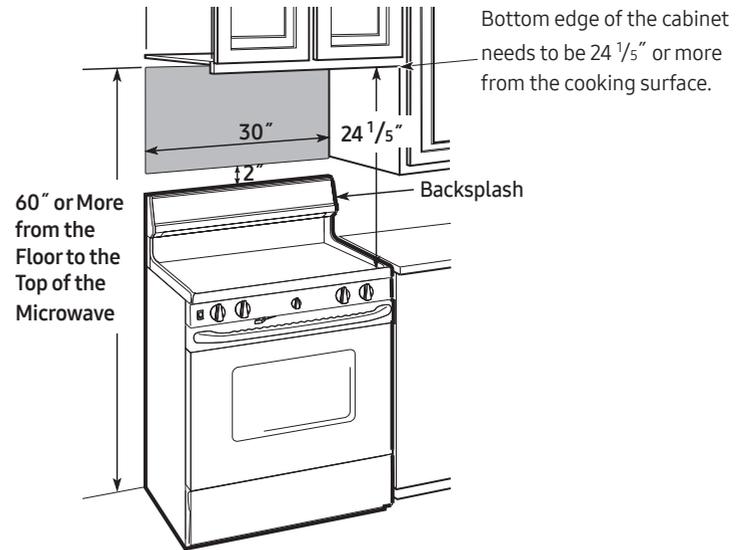


Level



Duct and masking tape

MOUNTING SPACE



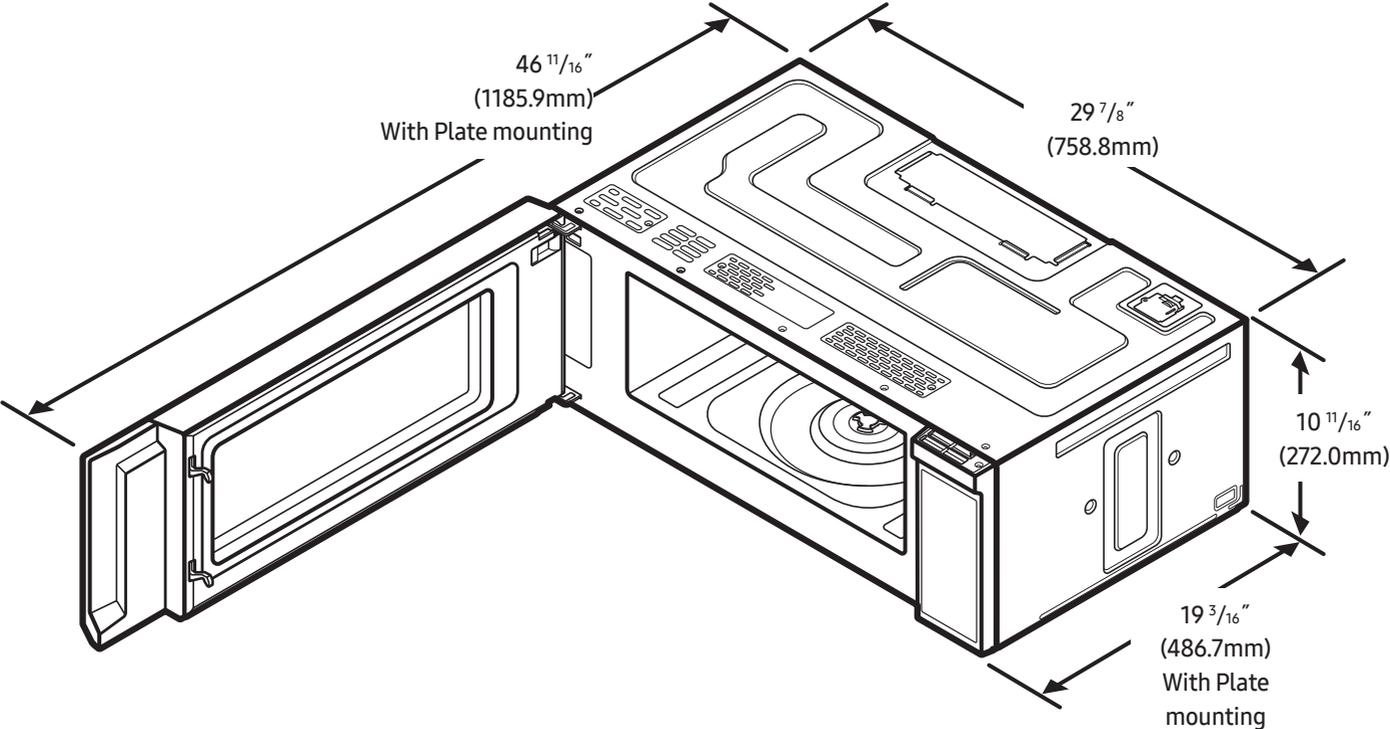
NOTE

- The space between the cabinets must be 30" wide and free of obstructions.
- If you are going to vent your microwave oven to the outside, see the Hood Exhaust Section for exhaust duct preparation.
- If installing the microwave oven beneath smooth flat cabinets, be careful to follow the instructions on the top cabinet template for power cord clearance.
- The dimensions provided are the minimum required for mounting the microwave oven.
- Minimum 2": clearance from the top of the range control panel to the bottom of microwave oven.

General information

DIMENSION OF PRODUCT

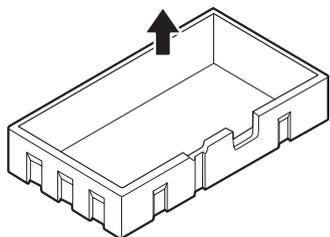
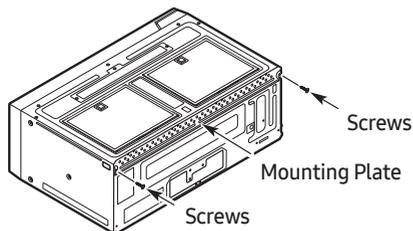
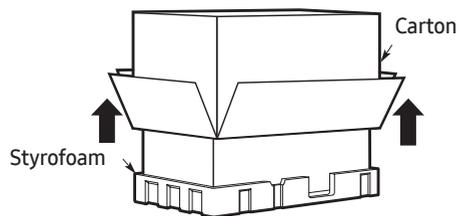
General information



Step-by-step installation guide

Step 1. Placement of the mounting plate

A. Removing the microwave oven from the carton/Removing the mounting plate

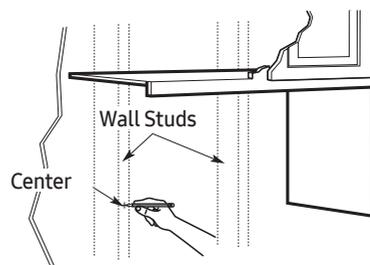


1. Remove the installation instructions, Exhaust Adaptor, filters, glass tray, and the small hardware bag. Do not remove the Styrofoam protecting the front of the oven.
2. Fold back all 4 carton flaps fully against carton sides. Then carefully roll the oven and carton over onto the top side. The oven should be resting in the Styrofoam.
3. Pull the carton up and off the oven.
4. Remove and properly discard plastic bags.
5. Remove the 2 screws from the mounting plate. This plate will be used as the rear wall template and for mounting.

NOTE

Retain the two screws. You will need to re-insert the screws in their original locations after you have removed the mounting plate.

B. Finding the wall studs



1. Find the studs using one of the following methods:
 - A. With a stud finder – a magnetic device which locates nails.

OR

 - B. Use a hammer to tap lightly across the mounting surface until you hear a solid sound. This will indicate a stud location.
2. After locating the stud(s), locate the stud's center by probing the wall with a small nail to find the edges of the stud. Then, place a mark halfway between the edges. The center of any adjacent studs should be 16" or 24" from this mark.
3. Draw a line down the center of the studs.

THE MICROWAVE MUST BE CONNECTED TO AT LEAST ONE WALL STUD.

Step-by-step installation guide

C. Determining wall plate location under your cabinet

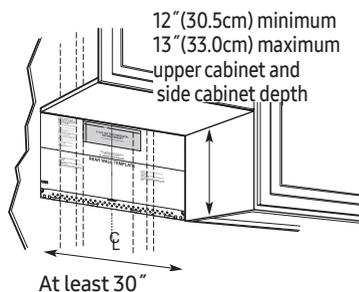


Plate position – beneath a flat bottom cabinet.

Draw a vertical line on the wall at the center of the 30" wide space. Tape the Rear Wall Template onto the wall so that the top of the template touches the bottom of the cabinet and the centerline on the template lines up with the line you drew on the wall.

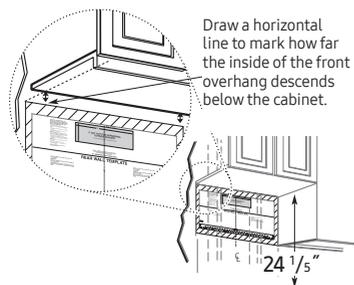


Plate position – beneath a recessed bottom cabinet with a front overhang.

Draw a vertical line on the wall at the center of the 30" wide space. Draw a second, horizontal line on the wall below the cabinet to mark how far the inside of the front overhang descends below the cabinet. Tape the Rear Wall Template onto the wall so that the top of the template touches the bottom of the horizontal line and the centerline on the template lines up with the vertical line.

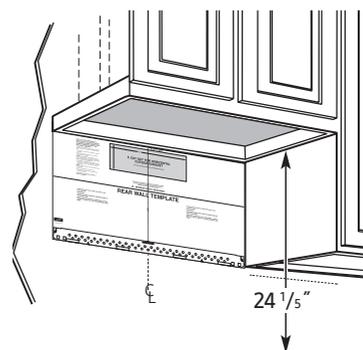


Plate position – beneath a framed recessed cabinet bottom.

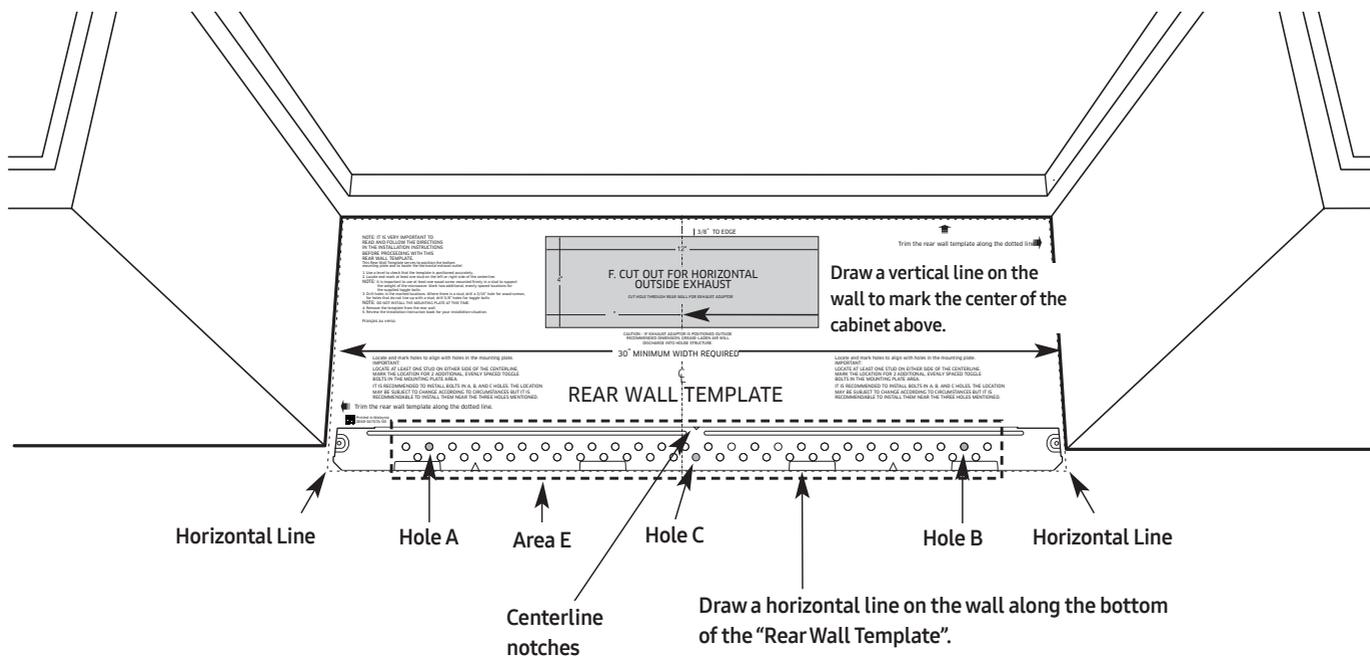
Draw a vertical line on the wall at the center of the 30" wide space. Tape the Rear Wall Template onto the wall so that the top of the template touches the bottom of the cabinet frame and the centerline on the template lines up with the line you drew on the wall.

Your cabinets may have decorative trim that interferes with the microwave installation. Remove the decorative trim to install the microwave properly and to make it level.

THE MICROWAVE MUST BE LEVEL.

Use a level to make sure the cabinet bottom is level.

D. Aligning the wall plate



CAUTION

Wear gloves to avoid cutting fingers on sharp edges.

1. Draw a horizontal line on the wall at the bottom of the "Rear Wall Template".
2. Drill $\frac{5}{8}$ " holes for toggle bolts in 2 locations (Hole A, Hole B) as shown in the illustration above. If the location of a hole lines up with a stud, drill a $\frac{3}{16}$ " hole for a wood screw. You cannot use a toggle bolt to attach the wall plate to a stud.
3. Holes A and B are inside area E. If none of these holes line up with a stud, find a stud in area E that lines up with a hole circle in Area E, and then drill a $\frac{3}{16}$ " hole into it for a wood screw. You must have at least one wood screw mounted firmly into a stud to support the weight of the microwave. **Set the mounting plate aside.**

NOTE

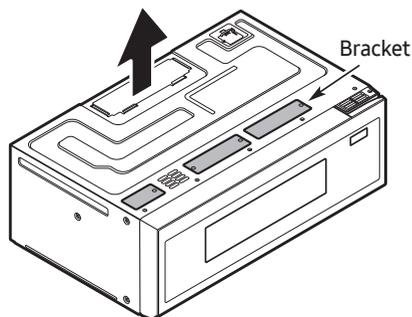
DO NOT MOUNT THE PLATE AT THIS TIME.

Step-by-step installation guide

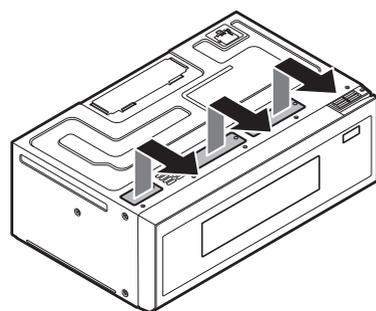
Step 2. Ventilation types (choose A, B or C)

This microwave oven is compatible with the following three types of ventilation:

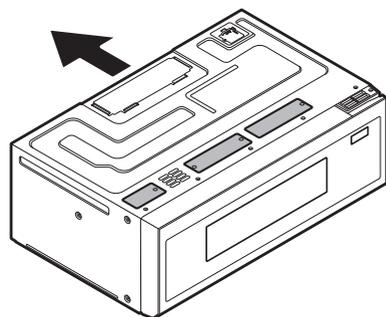
A. Outside top exhaust (vertical duct)



B. Recirculating (non-vented ductless)



C. Outside back exhaust (horizontal duct)



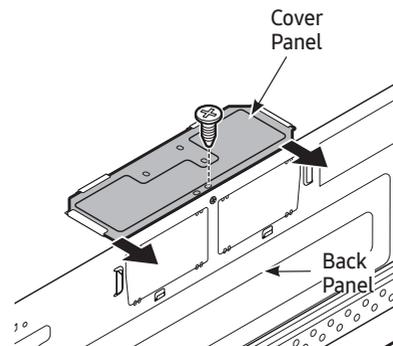
Step-by-step installation guide

NOTE

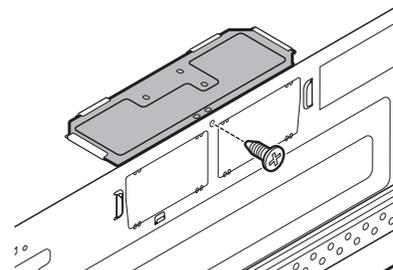
This microwave is shipped assembled for Recirculating. An Exhaust Adaptor is shipped assembled and attached to the filler-upper. Select the type of ventilation required for your installation and proceed to that section.

A. Outside top exhaust (vertical duct)

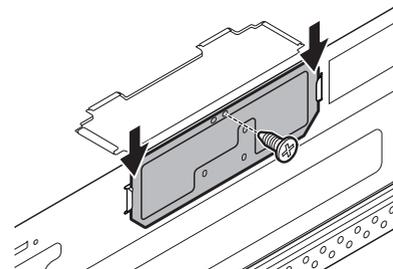
A1. ADAPTING THE COVER PANEL FOR THE EXHAUST ADAPTOR



1. Remove 1 screw from Cover Panel and take off Cover Panel.

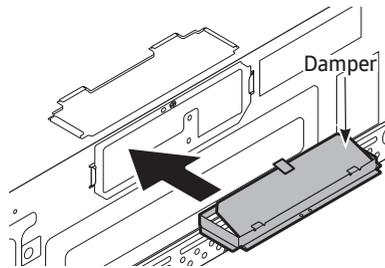


2. Remove 1 screw from Back Panel.

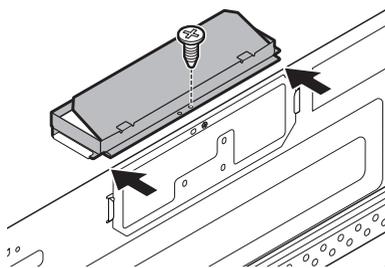


3. Assemble the Cover Panel as sliding from top to bottom and the screw that was removed from Back Panel.

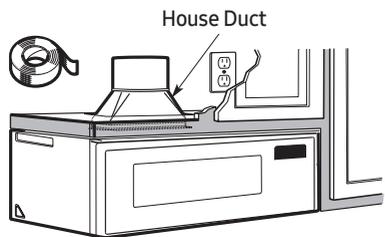
A2. INSTALLATION DAMPER



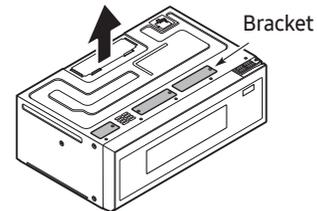
1. Remove the tape securing the Damper.
2. Assemble the Damper as sliding from back to front until stopped.



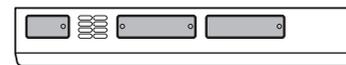
NOTE
Make sure Dampers swing freely.



- NOTE**
- You must attach the House Duct to the Exhaust Adaptor after installation is complete.
 - You must seal Exhaust Duct joints using Duct Tape.



NOTE
You must check bracket picture according to ventilation type at page 12.

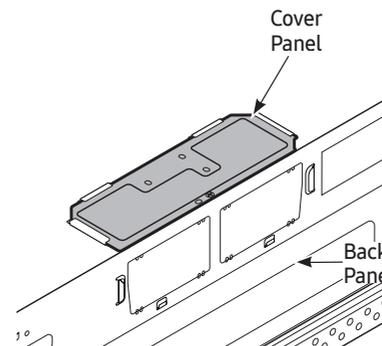


The marked Brackets should not have Vent holes.

NOTE
Apply A1 and A2 equally.

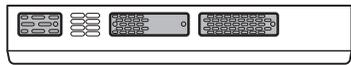
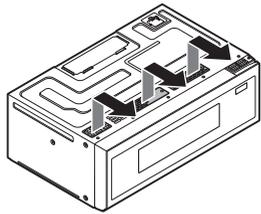
B. Recirculating (non-vented ductless)

B1. Adapting the COVER PANEL for recirculation



1. Make sure the Cover Panel is assembled properly. (Top assembly)

Step-by-step installation guide



The marked Brackets should have Vent holes.

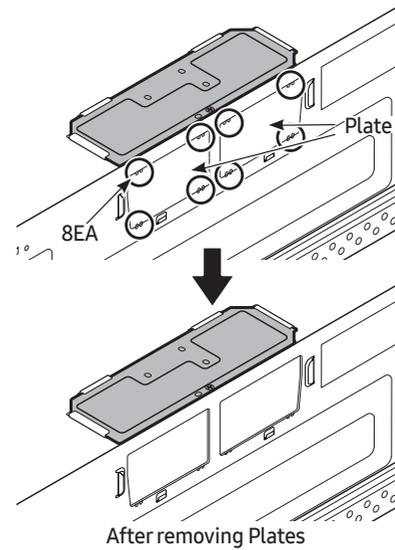
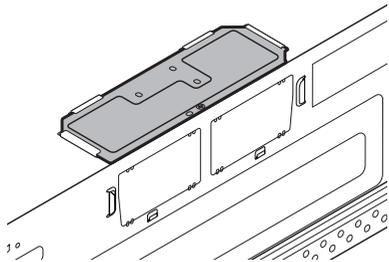
NOTE

- The Exhaust Adaptor with the Damper is not needed for recirculating type. You may want to save them for possible future use.
- You must check bracket picture according to ventilation type at page 12.

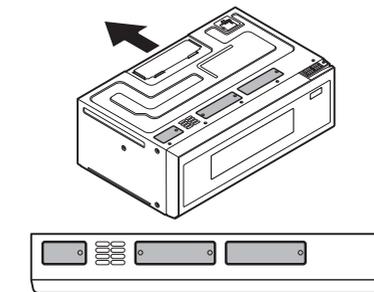
C. Outside back exhaust (horizontal duct)

C1. Adapting the COVER PANEL for outside back exhaust

1. Make sure the Cover Panel is assembled properly. (Top assembly)



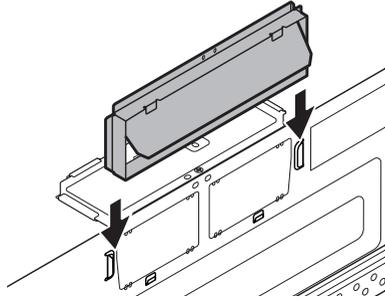
2. Cut 8 area to remove plates using nipper.



The marked Brackets should not have Vent holes.

NOTE

You must check bracket picture according to ventilation type at page 12.

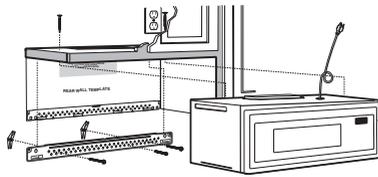


3. Remove the tape securing the Damper.
4. Assemble the Damper as sliding from top to bottom until stopped.

NOTE
Make sure Dampers swing freely.

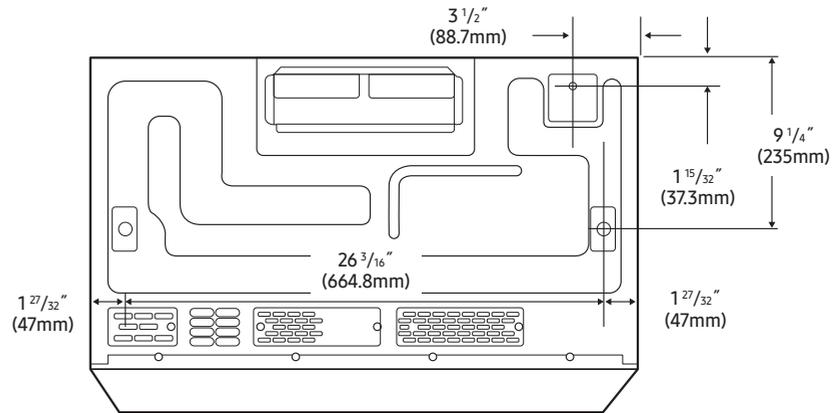
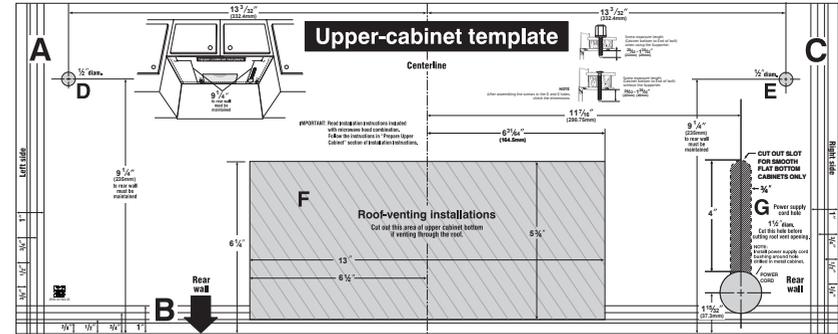
Step 3. Installation

INSTALLATION OVERVIEW



- A. Prepare the Rear Wall (for outside back exhaust/horizontal duct only).
- B. Attach the Mounting Plate to the Wall.
- C. Prepare the Cabinet above.
- D. Mount the Microwave Oven.
- E. Connect the Ductwork (for outside top exhaust/vertical duct only).

Dim. Comparison

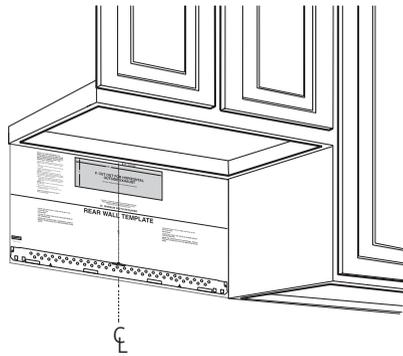


Step-by-step installation guide

Step-by-step installation guide

A. Prepare the rear wall for outside back exhaust

You need to cut an opening in the rear wall for outside exhaust.

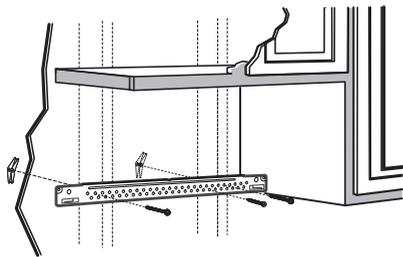


- Read the instructions for outside back exhaust on the REAR WALL TEMPLATE.
- Tape the REAR WALL TEMPLATE to the rear wall.
- Cut the opening, following the instructions on the REAR WALL TEMPLATE.

⚠ CAUTION

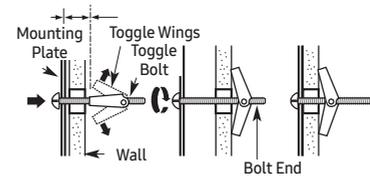
Do not cut an opening in the rear wall if you are installing the microwave with vertical duct or non-vented ductless ventilation.

B. Attach the mounting plate to the wall



Attach the plate to the wall using toggle bolts. At least one wood screw must be used to attach the plate to a wall stud.

1. Remove the toggle wings from the bolts.
2. Insert the bolts into the mounting plate through the holes designated to go into drywall, and then reattach the toggle wings so that $\frac{3}{4}$ " of the bolt protrudes beyond the wing.



3. Place the mounting plate against the wall, pinch the wings of each toggle together, and then insert the toggle wings of each toggle into and through the holes in the wall.

📖 NOTE

Before tightening the toggle bolts and wood screw, make sure the bottom of the Mounting plate runs along the bottom Horizontal line of the "Rear wall Template" and the Mounting plate is properly centered under the cabinet.

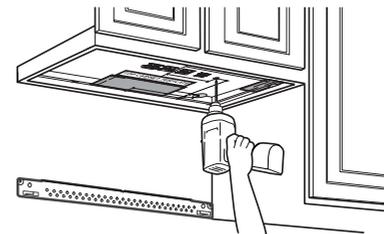
⚠ CAUTION

Be careful to avoid pinching your fingers between the back of the mounting plate and the wall.

4. Tighten all bolts. Pull the plate away from the wall to help tighten the bolts. Tighten the screw.

C. Use the top cabinet template to prepare the cabinet above

You need to drill holes for the top support screws and a hole large enough for the power cord to fit through.

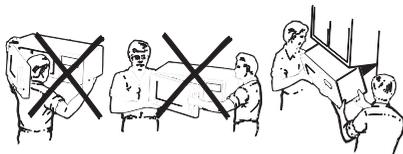


- Read the instructions on the TOP CABINET TEMPLATE.
- Tape it underneath the top cabinet.
- Drill the holes, following the instructions on the TOP CABINET TEMPLATE.

⚠ CAUTION

Wear safety goggles when drilling holes in the cabinet bottom.

D. Mount the microwave oven



FOR EASIER INSTALLATION AND PERSONAL SAFETY, WE RECOMMEND THAT TWO PEOPLE INSTALL THIS MICROWAVE OVEN.

IMPORTANT: Do not grip or use the handle during installation.

NOTE

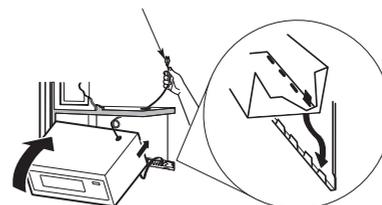
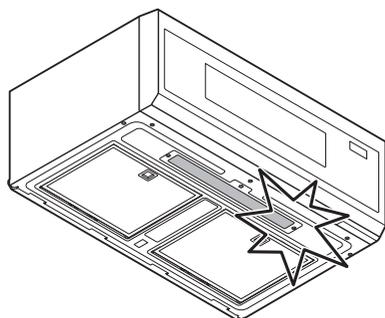
- If your cabinet is metal, use the nylon grommet in the power cord hole to prevent the cord from being cut.
- Filler blocks are required when mounting this unit under any cabinet with a recessed bottom or front overhang. (See page 10.)

IMPORTANT: The case damage that will occur from over tightening screws if you do not use filler blocks is not covered under warranty.

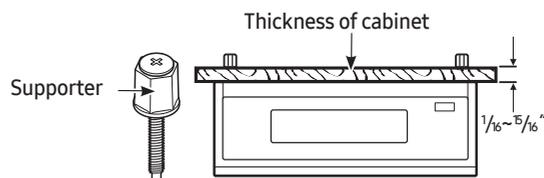
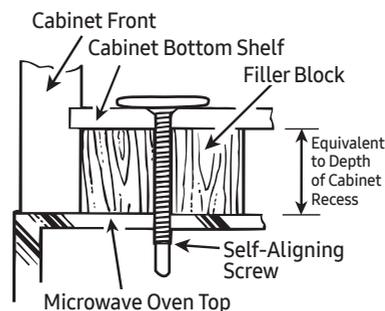
IMPORTANT: Be careful not to damage the lower Lamp Glass during handling.

NOTE

When mounting the microwave oven, thread the power cord through hole in the bottom of the top cabinet. Keep it tight throughout Steps 1–3. Do not pinch the cord or lift the oven by pulling cord.

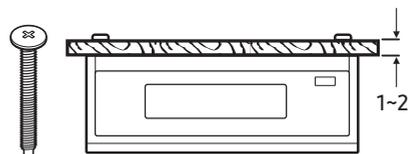


1. Lift the microwave, tilt it forward, and hook the slots at the back bottom edge onto the four lower tabs of the mounting plate.
2. Rotate the front of the oven up against the cabinet bottom.
3. Insert a self-aligning screw through the top center cabinet hole. Temporarily secure the oven by turning the screw at least **two full turns** after the threads have engaged. (It will be completely tightened later.) Be sure to keep the power cord tight. **Be careful not to pinch the cord, especially when mounting flush to the bottom of cabinet.**



NOTE

If Cabinet Thickness is Under 1", Use Supporter.



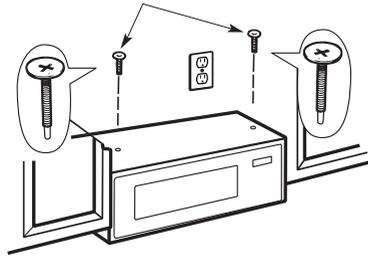
NOTE

If Cabinet Thickness is over 1", Remove Supporter from the Self-Aligning Screw.

NOTE

The self-aligning screw can be installed up to 1 5/16" (49mm).

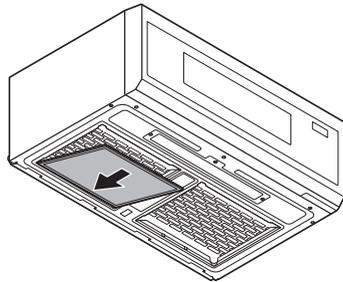
Step-by-step installation guide



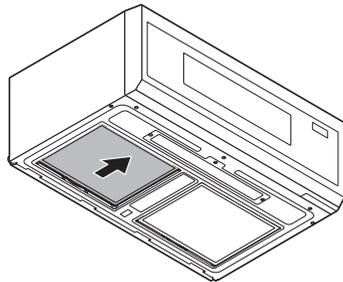
4. Attach the microwave oven to the top cabinet.
5. Insert the 2 self-aligning screws through the cabinet bottom shelf and filler block into the outer top cabinet of the unit. Continue to support the unit until both screws are inserted and engaged at least two full turns, then fully tighten all screws until the unit is secure.

E. Installing the charcoal filters and Grease Filters

E1. Charcoal Filter assembly method

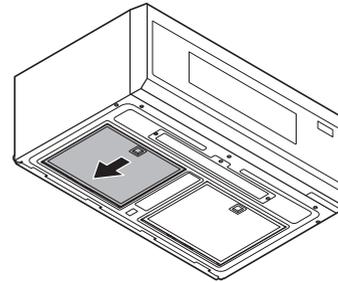


1. Insert the Charcoal Filter from the back.



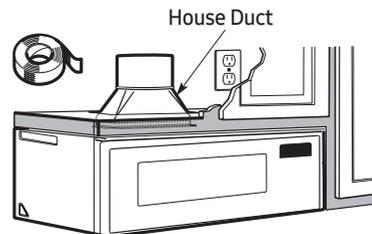
2. Raise the front of the Charcoal Filter until it is flat with the bottom, and then pull it forward to lock it in place.

E2. Grease Filter assembly method



1. Push the Grease Filter backward and insert the Grease Filter until flatness with bottom surface of products.

F. Connect the ductwork for outside top exhaust

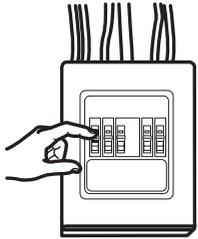


1. Extend the House Duct down to connect to the Exhaust Adaptor.
2. Seal the exhaust duct joints using duct tape.

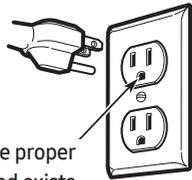
Step 4. Before you use your microwave



1. Make sure the microwave oven has been installed according to instructions.
2. Remove all packing material from the microwave oven.
3. Install the turntable and ring in the cavity.



4. Replace the house fuse or turn the breaker back on.



Insure proper ground exists before use.

5. Plug the power cord into a dedicated 15 amp electrical outlet.



6. Read the Owner's Manual.



7. Keep installation instructions for the local inspector's use.



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Scan the QR code* or visit www.samsung.com/spsn to view our helpful How-to Videos and Live Shows

* Requires reader to be installed on your smartphone

Please be advised that the Samsung warranty does NOT cover service calls to explain product operation, correct improper installation, or perform normal cleaning or maintenance.

QUESTIONS OR COMMENTS?

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U.S.A Consumer Electronics	1-800-SAMSUNG (726-7864)	www.samsung.com/us/support
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