Installation Instructions

Over the Range Microwave Oven

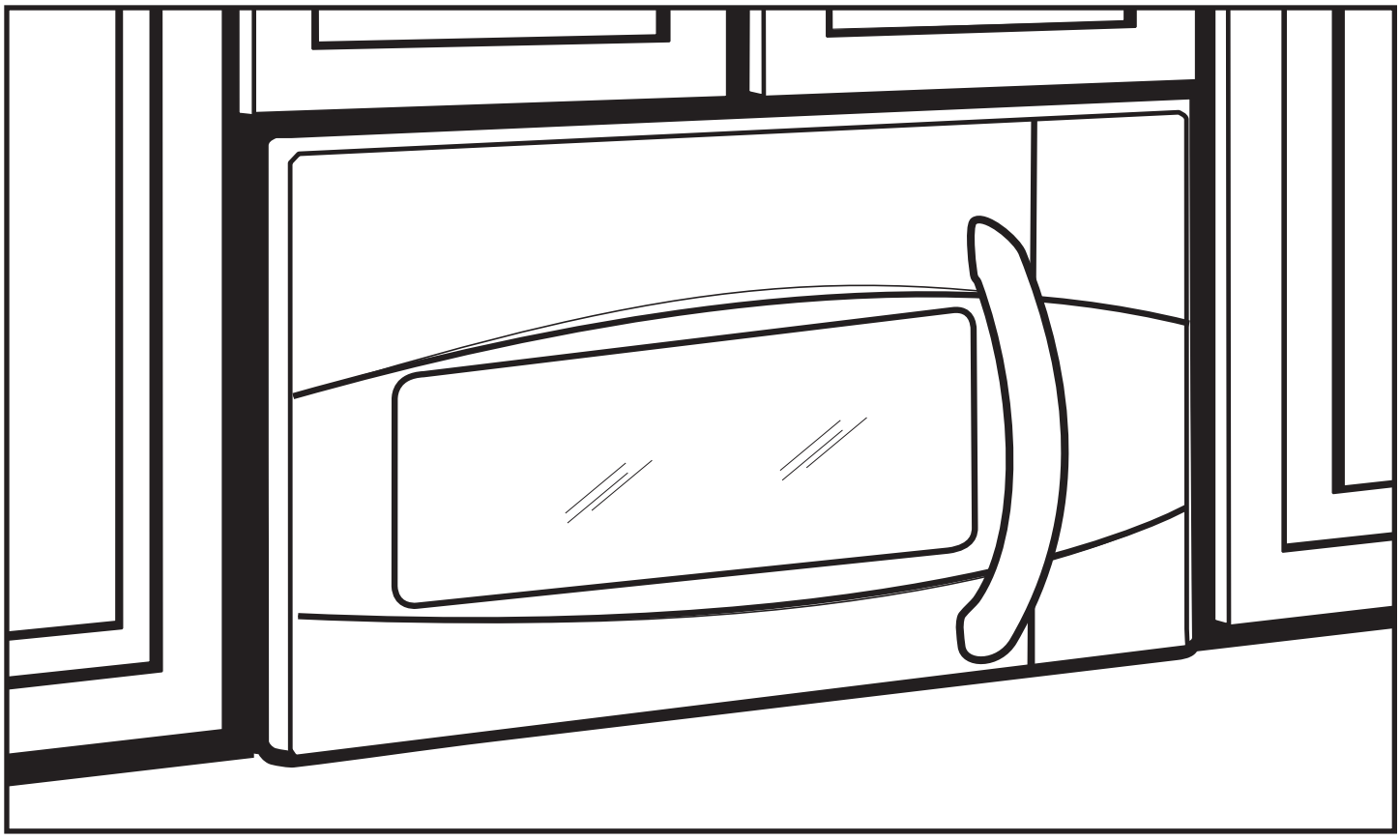
JVM7195, JNM7196, DVM7195, PVM9195, PNM9196 and PVM9215

Questions? Call 800.GE.CARES (800.432.2737) **or** Visit our Website at: ***GEAppliances.com***

BEFORE YOU BEGIN

Read these instructions completely and carefully.

- **IMPORTANT –** Save these instructions for local inspector's use.
- **IMPORTANT –** Observe all governing codes and ordinances.
- **Note to Installer –** Be sure to leave these instructions with the Consumer.
- **Note to Consumer –** Keep these instructions 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.



LA SECCIÛN EN ESPAÒOL EMPIEZA EN LA P·GINA 25.

READ CAREFULLY. KEEP THESE INSTRUCTIONS.

49-40702 06-13 GE

Installation Instructions

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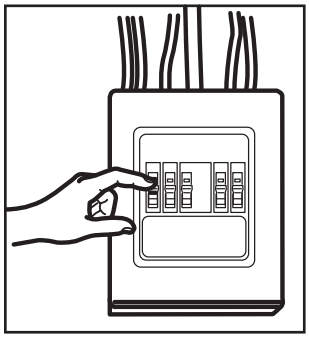
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IMPORTANT SAFETY INSTRUCTIONS

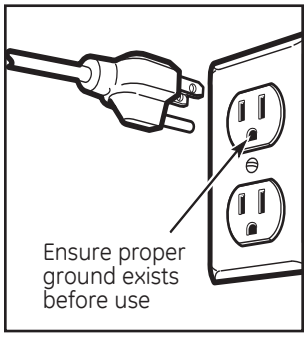
A qualified electrician must perform a ground continuity check on the wall receptacle before beginning the installation to ensure that the outlet box is properly grounded. If not properly grounded, or if the wall receptacle does not meet electrical requirements noted (under ELECTRICAL REQUIREMENTS), a qualified electrician should be employed to correct any deficiencies.



⚠WARNING:
Risk of Electric Shock.
Can cause injury or death: Remove house fuse or open circuit breaker before beginning installation to avoid severe or fatal shock injury.

⚠WARNING: Risk of Electric Shock.
Can cause injury or death: THIS APPLIANCE MUST BE PROPERLY GROUNDED to avoid severe or fatal shock.

120 V Models



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.

Where a standard two-prong wall receptacle is encountered, it must be replaced with a properly grounded three-prong wall receptacle, installed by a qualified electrician.

⚠WARNING: Risk of Electric Shock.
Can cause injury or death: DO NOT, under any circumstances, cut, deform or remove any of the prongs from the power cord. Do not use with an extension cord. Failure to comply may cause fire.

⚠CAUTION: For personal safety, the mounting surface must be capable of supporting the cabinet load, in addition to the added weight of this 63–85 pound product, plus additional oven loads of up to 50 pounds or a total weight of 113–135 pounds.

⚠CAUTION: For personal safety, this product cannot be installed in cabinet arrangements such as an island or a peninsula. It must be mounted to BOTH a top cabinet AND a wall.

⚠CAUTION: To avoid the risk of personal injury (back injury or other injuries due to excessive weight of the microwave) or property damage, you will need two people to install this microwave.

ELECTRICAL REQUIREMENTS

120 V Models

This product requires a three-prong grounded outlet. Product rating is 120 volts AC, 60 Hertz, 15 amps, and 1.70 kilowatts. 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 15 to 20 ampere branch circuit single grounded outlet. The outlet box should be located in the cabinet above the oven and away from any potential microwave ducting.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.

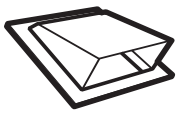
HOOD EXHAUST

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 6.

OUTSIDE TOP EXHAUST (EXAMPLE ONLY)

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

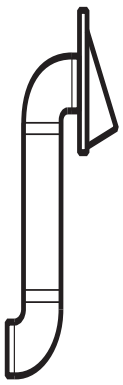


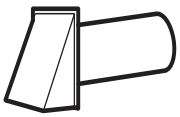
DUCT PIECES		EQUIVALENT LENGTH	x	NUMBER USED	=	EQUIVALENT LENGTH
	Roof Cap	24 Ft.	x	(1)	=	24 Ft.
	12 Ft. Straight Duct (6″ Round)	12 Ft.	x	(1)	=	12 Ft.
	Rectangular-to-Round Transition Adaptor*	5 Ft.	x	(1)	=	5 Ft.
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for 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 describes 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 (3¼″ 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 exhaust with space between studs, or 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 3¼″ 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 3¼″ x 10″ rectangular duct.

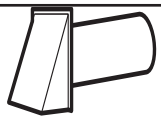
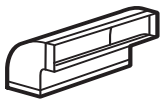
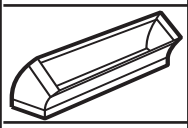
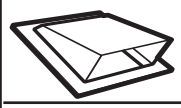
If a round duct is required, a rectangular-to-round transition adaptor must be used. **Do not use less than a 6″ diameter duct.**

Maximum duct length:

For satisfactory air movement, the total duct length of 3¼″ 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 approximate feet of equivalent length 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 3¼″ 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 the tin snips, in order to allow free movement of the damper.

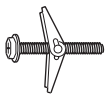
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any vent hood.

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 customer and installer.

PARTS INCLUDED

HARDWARE PACKET

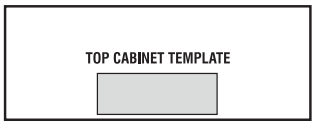
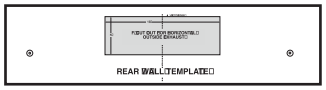
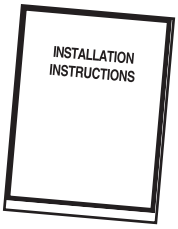
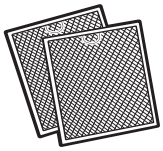
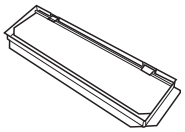
PART		QUANTITY
	Wood Screws (¼″ x 2″)	2
	Toggle Bolts (and wing nuts) (¼″ x 3″)	2
	Self-aligning Machine Screw (¼″-28 x 2⅝″)	2
	Nylon Grommet (for metal cabinets)	1

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

NOTE: Some extra parts are included.

PARTS INCLUDED

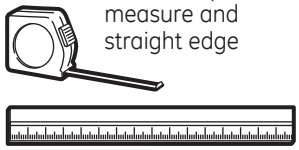
ADDITIONAL PARTS

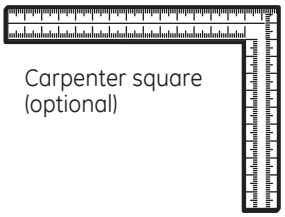
PART		QUANTITY
	Top Cabinet Template	1
	Rear Wall Template	1
	Installation Instructions	1
	Separately Packed Grease Filters	2
	Exhaust Adaptor with Damper	1
	Charcoal Filter	1

TOOLS YOU WILL NEED


1 and #2 Phillips screwdriver

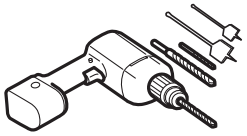

Pencil

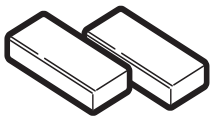

Ruler or tape measure and straight edge


Carpenter square (optional)

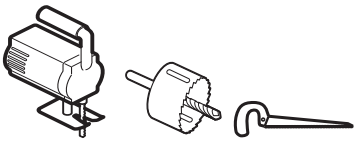

Tin snips (for cutting damper, if required)


Scissors (to cut template, if necessary)


Electric drill with 3⁄16″, 7⁄16″, ½″ and 5⁄8″ drill bits


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


Gloves

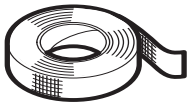

Saw (saber, hole or keyhole)


Stud finder
or

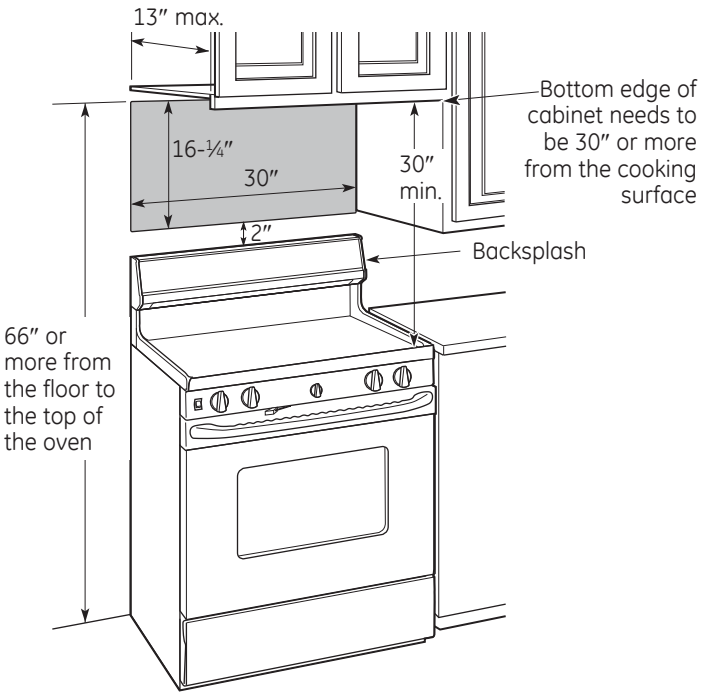

Hammer (optional)


Safety goggles


Level


Duct and masking tape

MOUNTING SPACE



NOTES:

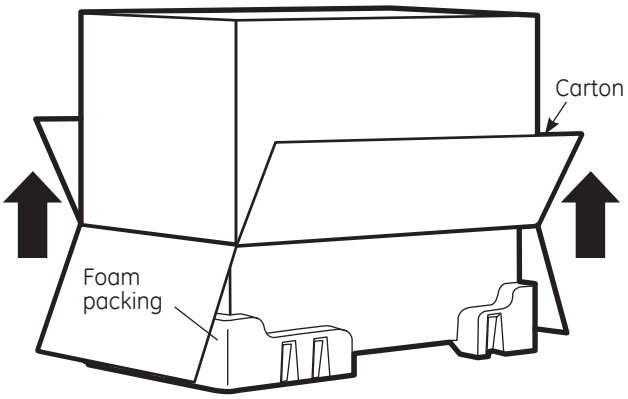
- The space between the cabinets must be 30″ wide and free of obstructions.
- If the space between the cabinets is greater than 30″, a Filler Panel Kit may be used to fill in the gap between the oven and the cabinets. Your Owner's Manual contains the kit number for your model.
- This oven is for installation over ranges up to 36″ wide.
- If you are going to vent your oven to the outside, see Hood Exhaust Section for exhaust duct preparation.
- When installing the oven beneath smooth, flat cabinets, be careful to follow the instructions on the top cabinet template for power cord clearance.
- **Maximum cabinet depth above and beside the unit is 13″.**
- For models with top venting holes: Do not allow cabinetry or other objects to block the airflow of the vent.
- The product should not be installed over any cooktop or range with a combined BTU greater than 66,000 BTU.

1 PLACEMENT OF THE MOUNTING PLATE

A REMOVING THE OVEN FROM THE CARTON/REMOVING THE MOUNTING PLATE

1 Remove the box containing the installation instructions, filters, exhaust adaptor, damper and the small hardware bag. Do not remove the foam packing 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 foam packing.



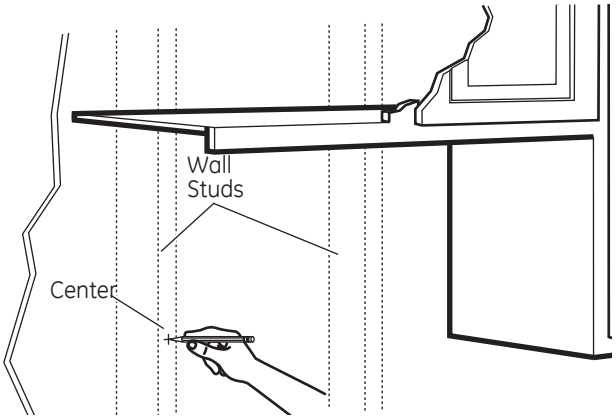
3 Pull the carton up and off the oven.

4 The mounting plate is attached to the back of the oven. Remove the two screws holding it to the oven. The plate will be used as the rear wall template and for mounting the oven to the wall.

5 Set the oven upright. Remove and properly discard plastic bags and foam packing.

6 Open the oven door and remove the foam pack from inside the oven. Remove the tape covering the turntable hub.

B FINDING THE WALL STUDS



1 Find the studs, using one of the following methods:

A. Stud finder – a magnetic device which locates nails.

OR

B. Use a hammer to tap lightly across the mounting surface to find a solid sound. This will indicate a stud location.

2 After locating the stud(s), find the 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.

IMPORTANT: The microwave must be connected to at least one wall stud.

C DETERMINING WALL PLATE LOCATION UNDER YOUR CABINET

Plate position – beneath flat bottom cabinet

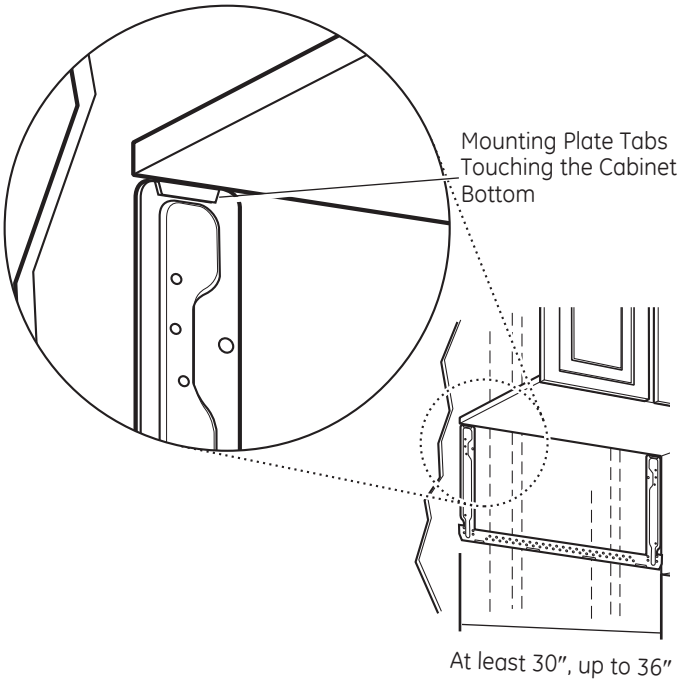


Plate position – beneath framed recessed cabinet bottom

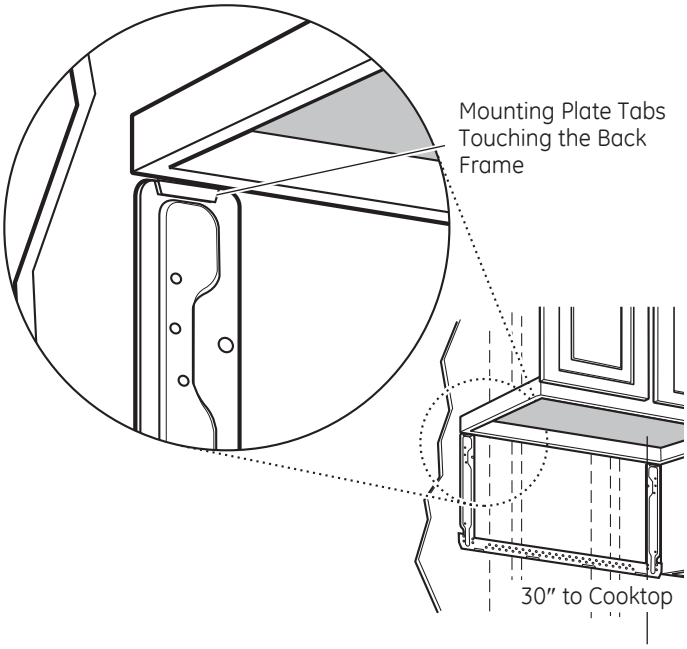
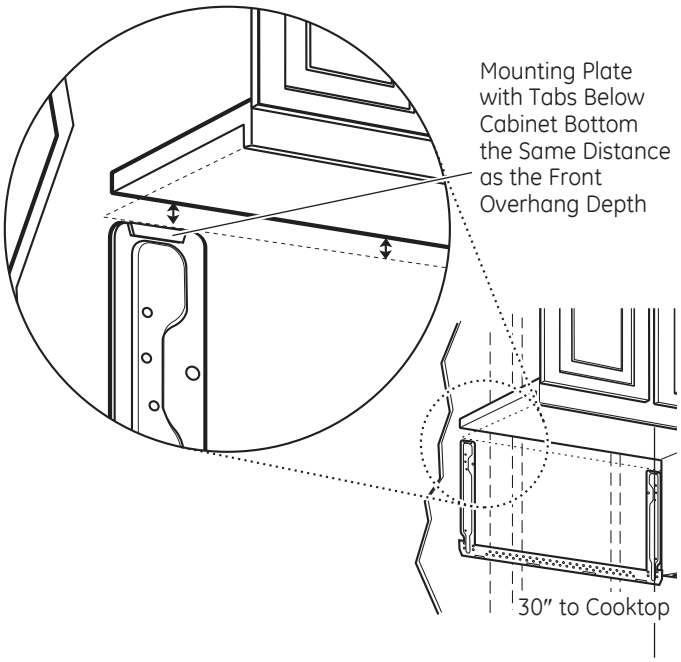


Plate position – beneath recessed bottom cabinet with front overhang



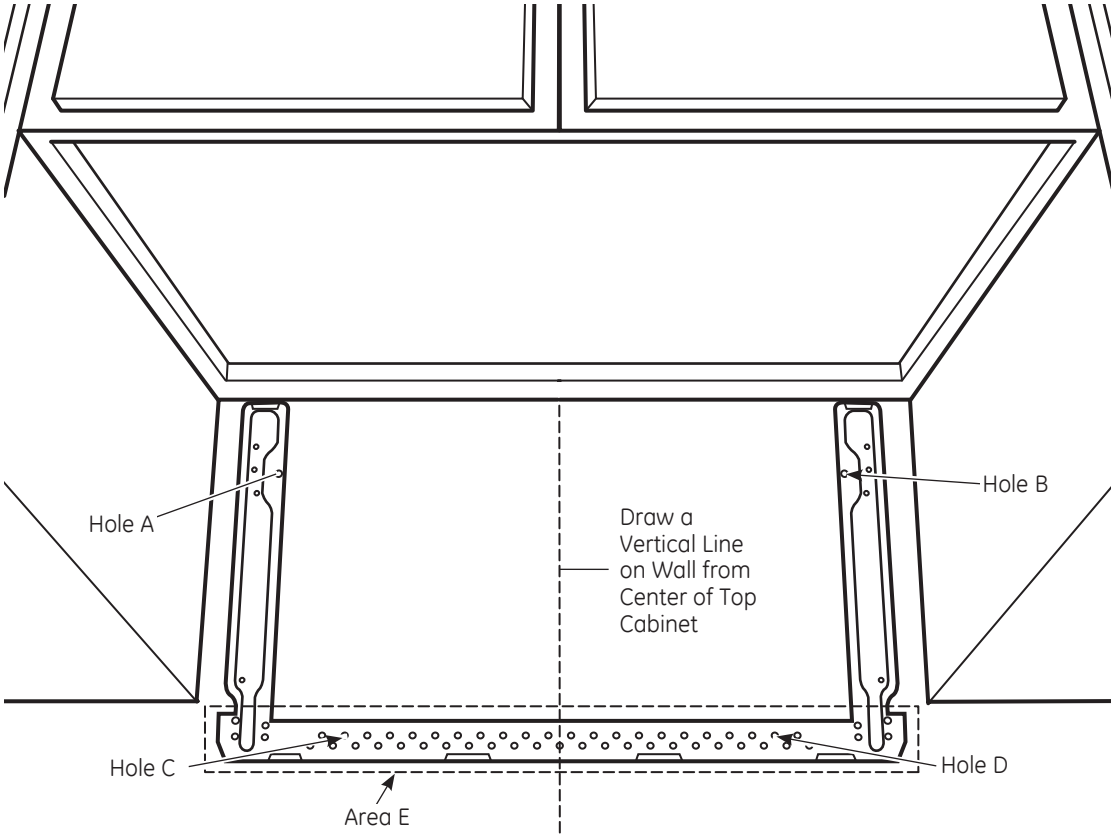
Your cabinets may have decorative trim that interferes with the oven installation. Remove the decorative trim to install the oven properly and to make it level.

THE OVEN MUST BE LEVEL.
Use a level to make sure the cabinet bottom is level.

If the cabinets have a front overhang only, with no back or side frame, install the mounting plate down the same distance as the front overhang depth. This will keep the oven level.

1. Measure the inside depth of the front overhang.
2. Draw a horizontal line on the back wall an equal distance below the cabinet bottom as the inside depth of the front overhang.
3. For this type of installation with front overhang only, align the mounting tabs with this horizontal line, not touching the cabinet bottom as described in Step D.

D ALIGNING THE WALL PLATE



⚠CAUTION:
Wear gloves to avoid cutting fingers on sharp edges.

1. Draw a vertical line on the wall at the center of the 30″ wide space.
2. Use the mounting plate **as the template** for the rear wall. Place the mounting plate on the wall, making sure that the tabs are **touching the bottom of the cabinet or the level line drawn in Step C for cabinets with front overhang. Line up the notch and center line on the mounting plate to the center line on the wall.**
3. While holding the mounting plate with one hand, draw circles on the wall at holes A, B, C and D (see illustration above/actual plate marked with arrows). **Four holes must be used for mounting.**

NOTE: Holes C and D are inside area E. If neither C nor D is in a stud, find a stud somewhere in area E and draw a fifth circle to line up with the stud. It is important to use **at least one wood screw** mounted **firmly in a stud** to support the weight of the oven.

Set the mounting plate aside.

⚠WARNING: Risk of electric shock. Can cause injury or death. Take care to not drill into electrical wiring inside walls or cabinets.

4. Drill holes on the circles. If there is a stud, drill a 3⁄16″ hole for wood screws. For holes that don't line up with a stud, drill a 5⁄8″ hole for toggle bolts.

NOTE: DO NOT MOUNT THE PLATE AT THIS TIME.

2 INSTALLATION TYPES (Choose A, B or C)

This oven is designed for adaptation to the following 3 types of ventilation:

A. Outside Top Exhaust (Vertical Duct)

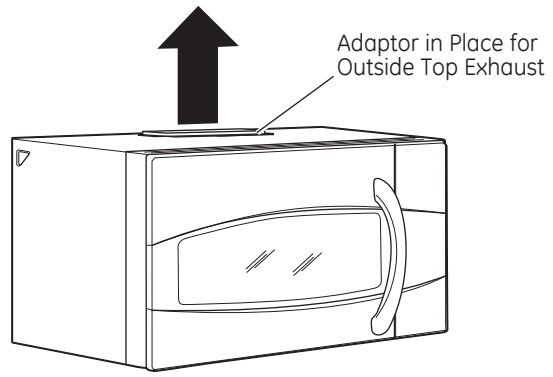
B. Outside Back Exhaust (Horizontal Duct)

C. Recirculating (Non-Vented Ductless)

NOTE: For JVM1950, PVM1970, DVM1950, and PVM2170 models. This oven is shipped assembled for Outside Top Exhaust. Select the type of ventilation required for your installation and proceed to that section.

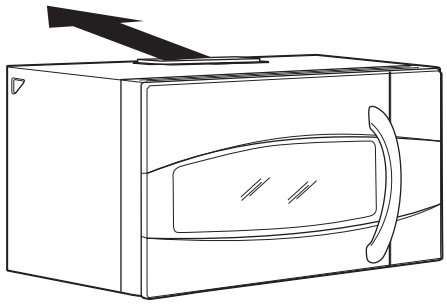
NOTE: For JNM1951 and PNM1971 models. This oven is shipped assembled for Recirculating. Select the type of ventilation required for your installation and proceed to that section.

A OUTSIDE TOP EXHAUST (VERTICAL DUCT)



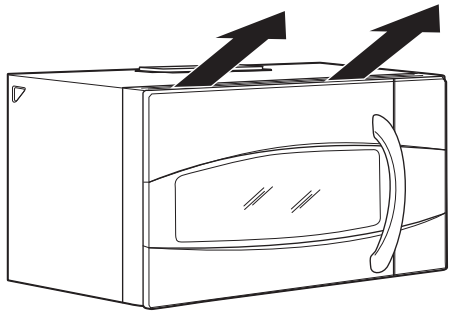
See page 12

B OUTSIDE BACK EXHAUST (HORIZONTAL DUCT)



See page 15

C RECIRCULATING (NON-VENTED DUCTLESS)



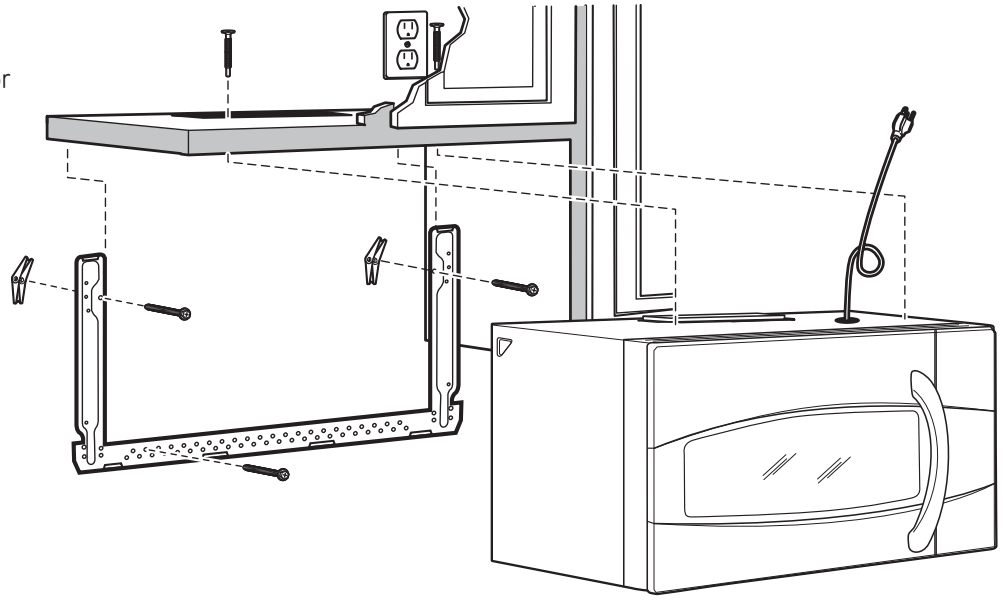
See page 19

A Charcoal Filter Accessory Kit is required for the non-vented exhaust. (See your Owner's Manual for the kit number.)

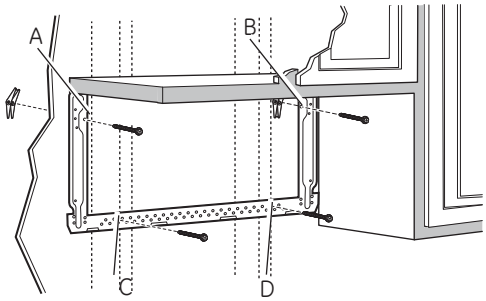
A OUTSIDE TOP EXHAUST (Vertical Duct)

INSTALLATION OVERVIEW

A1. Attach Mounting Plate to Wall
A2. Prepare Top Cabinet
A3. Install Adaptor
A4. Mount Oven
A5. Adjust Exhaust Adaptor
A6. Connect Ductwork



A1 ATTACH THE MOUNTING PLATE TO THE WALL

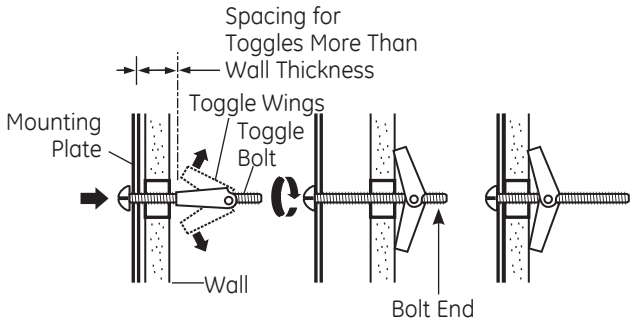


Attach the plate to the wall using toggle bolts. At least one wood screw must be used to attach the plate to a wall stud. Recommended locations on the mounting plate are indicated by A, B, C and D.

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 reattach the toggle wings to ¾″ onto each bolt.

To use toggle bolts:



3 Place the mounting plate against the wall and insert the toggle wings into the holes in the wall to mount the plate.

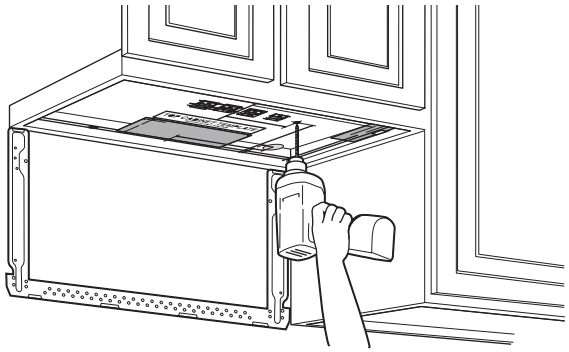
NOTE: Before tightening toggle bolts and wood screw, make sure the tabs on the mounting plate touch the bottom of the cabinet when pushed flush against the wall and that the plate is properly centered under the cabinet.

⚠CAUTION: Be careful to avoid pinching 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.

A2 USE TOP CABINET TEMPLATE FOR PREPARATION OF TOP CABINET

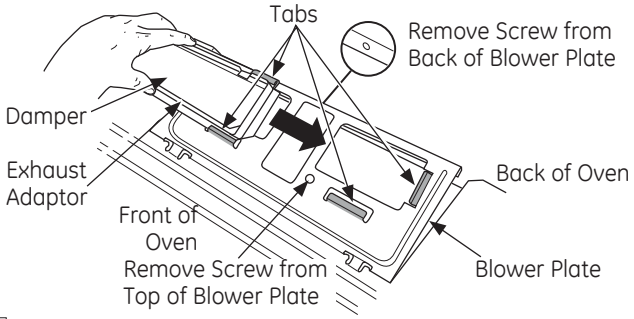
You need to drill holes for the top support screws, a hole large enough for the power cord to fit through, and a cutout large enough for the exhaust adaptor.



- 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.

A3 ASSEMBLE AND INSTALL ADAPTOR



1 Place the oven in its upright position, with the top of the unit facing up and the front of the unit facing toward you.

2 Remove the screw on the back side of the blower plate and raise the blower plate off of the microwave.

3 Slide the damper from left to right into the tabs on the blower plate. The yellow tape on the damper should be facing you. If the blower plate is not raised off of the top of the microwave, the damper cannot slide into position.

4 Remove the yellow tape from the damper. **Make sure that the damper pivots easily before mounting oven.**

You will need to make adjustments to assure proper alignment with your house exhaust duct after the oven is installed.

A4 MOUNT THE OVEN



⚠CAUTION: To avoid the risk of personal injury (back injury or other injuries due to excessive weight of the microwave) or property damage, you will need two people to install this microwave.

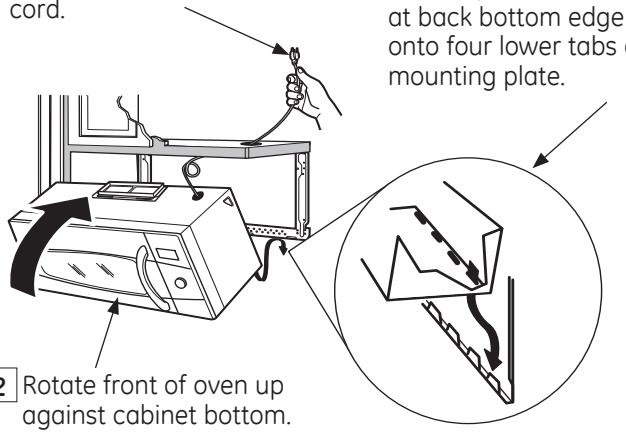
IMPORTANT: Do not grip or use handle during installation.

⚠WARNING: Risk of Electric Shock. Can cause injury or death: If installing unit with metal countertops, cover the edge of the power supply cord hole with the power supply cord bushing.

IMPORTANT: If filler blocks are not used, case damage may occur from overtightening screws.

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

1 Lift microwave, tilt it forward, and hook slots at back bottom edge onto four lower tabs of mounting plate.



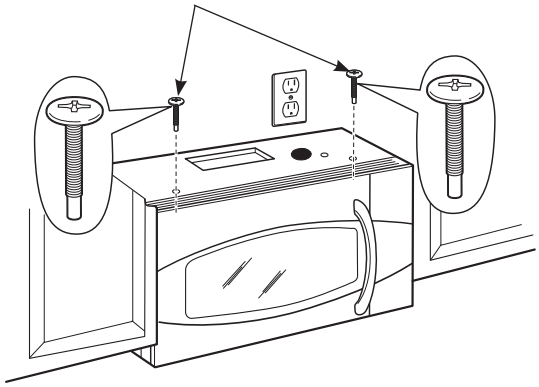
2 Rotate front of oven up against cabinet bottom.

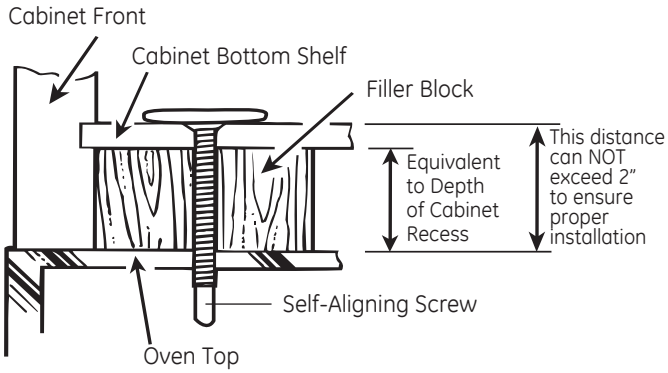
3 Insert a self-aligning screw through top-center cabinet hole. Temporarily secure the oven by turning the screw at least **two full turns** after the threads have engaged**.** (It will be completely tightened later.)

A4 MOUNT THE OVEN (continued)

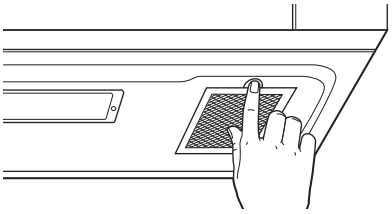
3 Attach the oven to the top cabinet.

4 Insert 2 self-aligning screws (¼"-28 x 2 ⅝") through outer top cabinet holes. Turn two full turns on each screw.





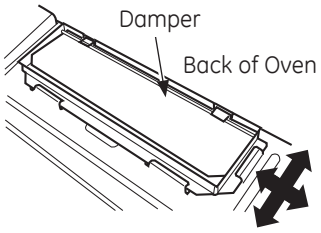
5 Tighten the outer two screws to the top of the oven. (While tightening screws, hold the oven in place against the wall and the top cabinet.)



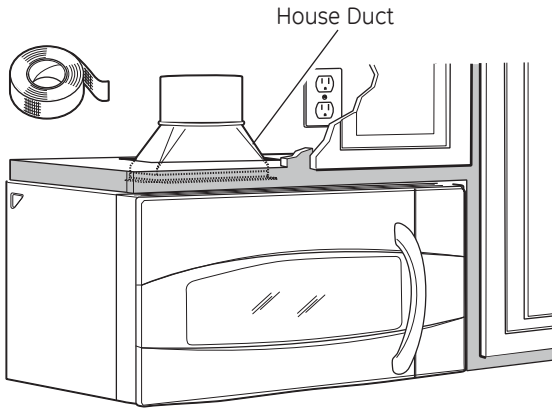
6 Install grease filters. See the Owner's Manual packed with the oven.

A5 ADJUST THE EXHAUST ADAPTOR

Open the top cabinet and adjust the exhaust adaptor to connect to the house duct.



A6 CONNECTING DUCTWORK



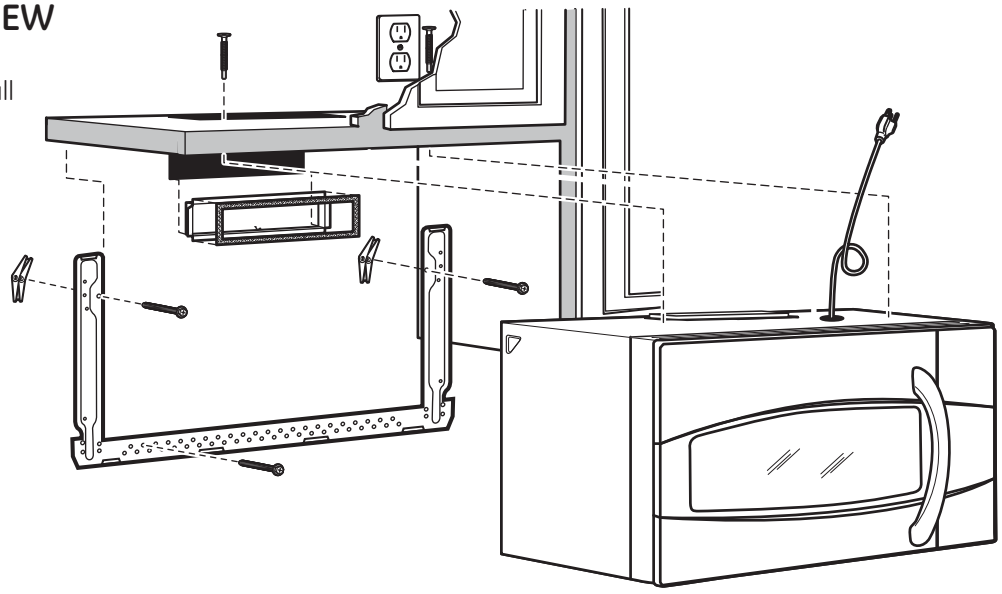
1 Extend the house duct down to connect to the exhaust adaptor.

2 Seal exhaust duct joints using duct tape.

B OUTSIDE BACK EXHAUST (Horizontal Duct)

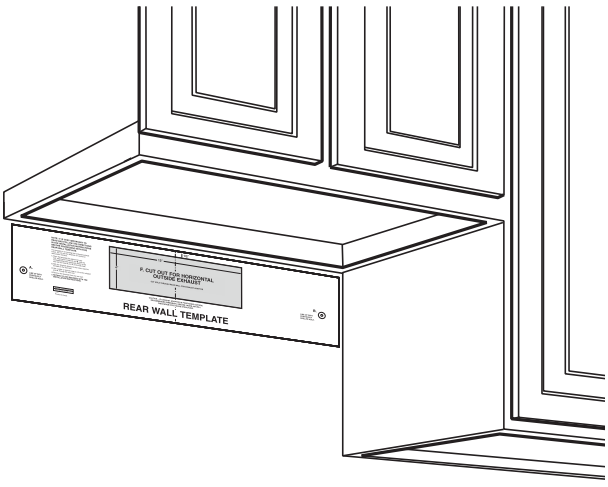
INSTALLATION OVERVIEW

B1. Prepare Rear Wall
B2. Attach Mounting Plate to Wall
B3. Prepare Top Cabinet
B4. Adjust Blower
B5. Mount the Oven



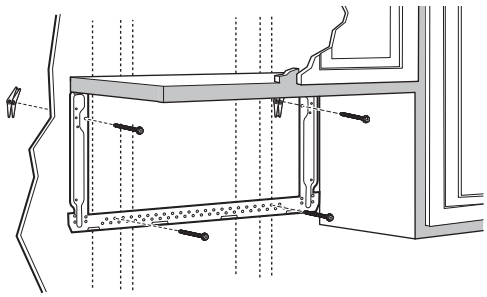
B1 PREPARING THE REAR WALL FOR OUTSIDE BACK EXHAUST

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



- Read the instructions on the REAR WALL TEMPLATE.
- Tape it to the rear wall, lining up with the holes previously drilled for holes A and B in the wall plate.
- Cut the opening, following the instructions of the REAR WALL TEMPLATE.

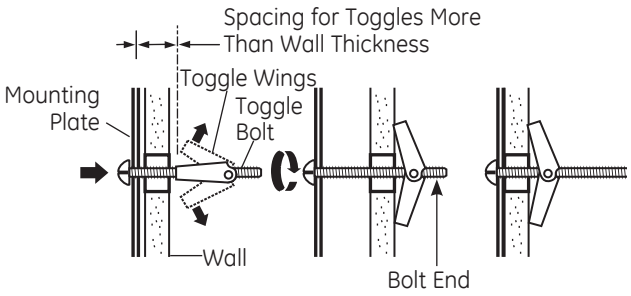
B2 ATTACH THE MOUNTING PLATE TO THE WALL



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 reattach the toggle wings to ¾″ onto each bolt.

To use toggle bolts:



3 Place the mounting plate against the wall and insert the toggle wings into the holes in the wall to mount the plate.

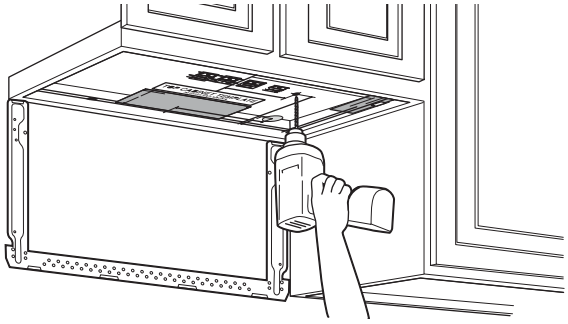
NOTE: Before tightening toggle bolts and wood screw, make sure the tabs on the mounting plate touch the bottom of the cabinet when pushed flush against the wall and that the plate is properly centered under the cabinet.

CAUTION: Be careful to avoid pinching 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.

B3 USE TOP CABINET TEMPLATE FOR PREPARATION OF TOP CABINET

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

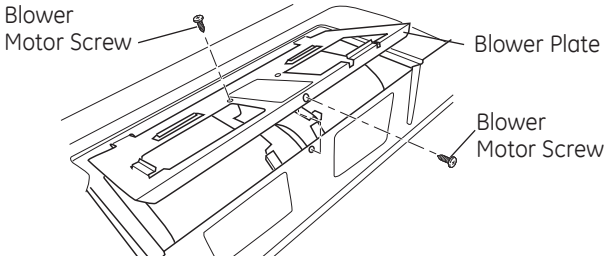


- Read the instructions on the TOP CABINET TEMPLATE.
- Tape it underneath the top cabinet.
- Drill the holes, following the instructions on the TOP CABINET TEMPLATE.

⚠CAUTION: Wear safety goggles when drilling holes in the cabinet bottom.

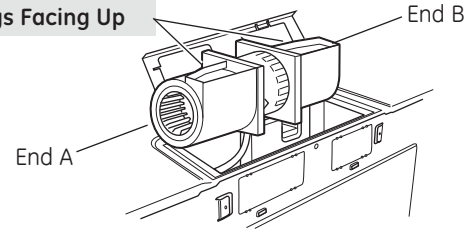
B4 ADAPTING BLOWER FOR OUTSIDE BACK EXHAUST

1 Remove the blower motor screw that holds the blower plate to the oven. Lift the front of the blower plate to install the blower.

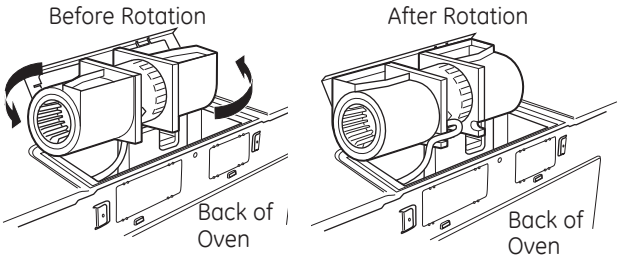


2 Carefully pull out the blower unit. The wires will extend far enough to allow you to adjust the blower unit.

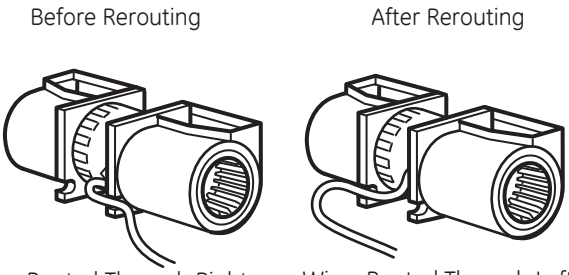
BEFORE: Fan Blade Openings Facing Up



3 Rotate blower unit counterclockwise 180°.

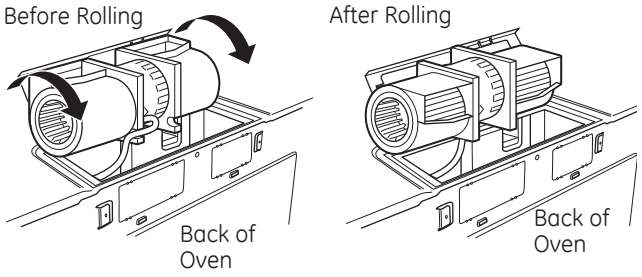


4 Gently remove the wires from the grooves. Reroute the wires through grooves on other side of the blower unit.



Installation Instructions

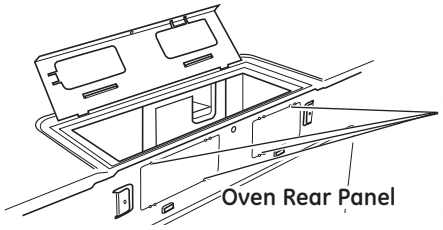
5 Roll the blower unit 90° so that fan blade openings are facing out the back of the oven.



6 Locate the two "knockout" plates, on the rear oven panel, near the top of the oven.

Using tin snips, carefully cut the web area from the two holes side-by-side (that secure the knockouts to the oven). Cut all four webs on both rear knockouts; this will allow the ventilation fan airflow to exhaust out the rear of the oven.

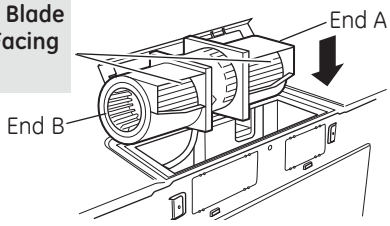
⚠CAUTION: Be sure to trim the sharp edges from the openings after removing the knockout plates.



Snip all 4 webs on each knockout panel and remove the metal knockouts for rear airflow.

7 Place the blower unit back into the opening.

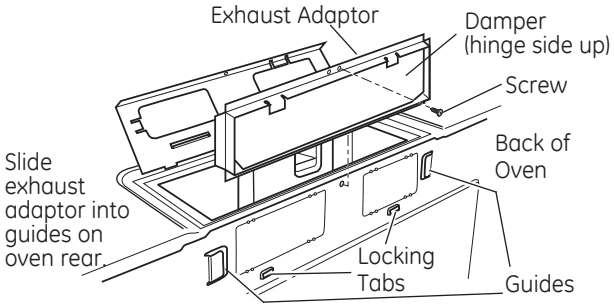
AFTER: Fan Blade Openings Facing Back



⚠WARNING: Risk of electric shock can cause injury or death. Do not pull or stretch the blower unit wiring. make sure the wires are not pinched..

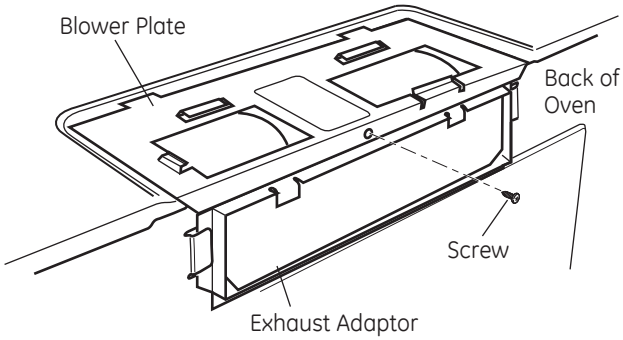
NOTE: The blower unit exhaust openings should match exhaust openings on rear of microwave.

8 Attach the exhaust adaptor to the rear of the oven by sliding it into the guides at the top center of the back of the oven.



Push down securely until it is in the lower locking tabs. Take care to assure the damper hinge is installed so that it is at the top and that the damper swings freely.

9 Close the blower plate so it is closed over the top tab of the exhaust adapter. Secure with the screw removed earlier.



B5 MOUNT THE OVEN



⚠CAUTION: To avoid the risk of personal injury (back injury or other injuries due to excessive weight of the microwave) or property damage, you will need two people to install this microwave.

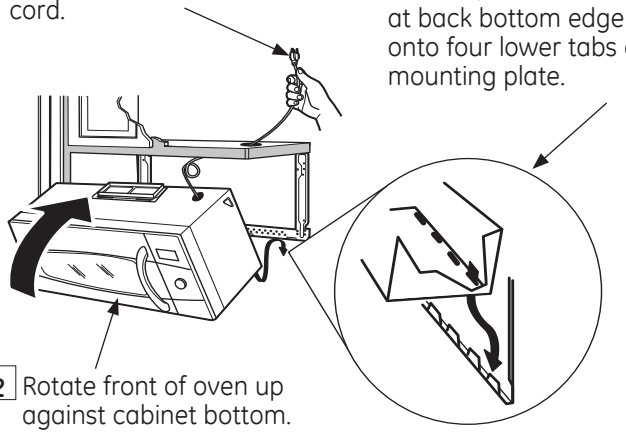
IMPORTANT: Do not grip or use handle during installation.

⚠WARNING: Risk of Electric Shock. Can cause injury or death: If installing unit with metal countertops, cover the edge of the power supply cord hole with the power supply cord bushing.

IMPORTANT: If filler blocks are not used, case damage may occur from overtightening screws.

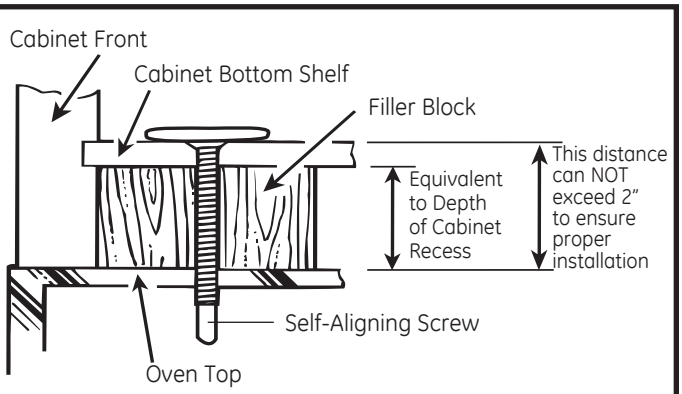
NOTE: When mounting the microwave, thread power cord through hole in bottom of top cabinet. Keep it tight throughout Steps 1–3. Do not pinch cord or lift oven by pulling cord.

1 Lift microwave, tilt it forward, and hook slots at back bottom edge onto four lower tabs of mounting plate.



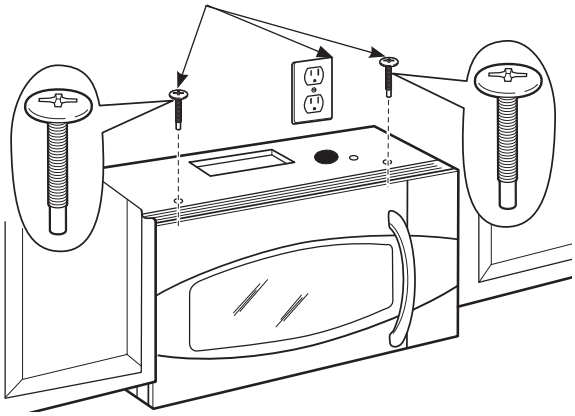
2 Rotate front of oven up against cabinet bottom.

3 Insert a self-aligning screw through 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.)

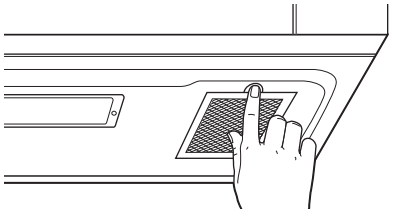


4 Attach the oven to the top cabinet.

5 Insert 2 self-aligning screws (¼″-28 x 2 ⅝″) through outer top cabinet holes. Turn two full turns on each screw.



6 Tighten the outer two screws to the top of the oven. (While tightening screws, hold the oven in place against the wall and the top cabinet.)



7 Install grease filters. See the Owner's Manual packed with the oven.

C RECIRCULATING (Non-Vented Ductless)

INSTALLATION OVERVIEW

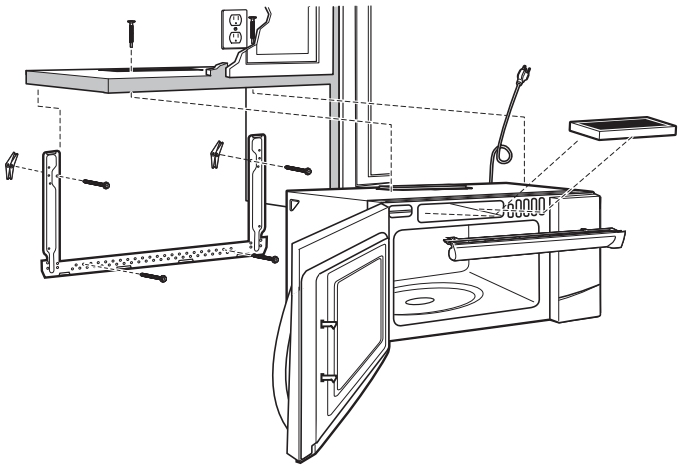
C1. Attach Mounting Plate to Wall

C2. Prepare Top Cabinet

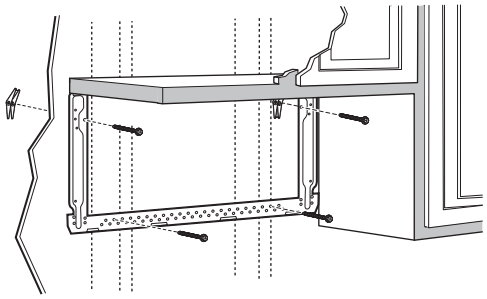
C3. Adjust Blower

C4. Mount the Oven

C5. Install Charcoal Filter (Supplied with JNM1951, DVM1950 and PNM1971 models)



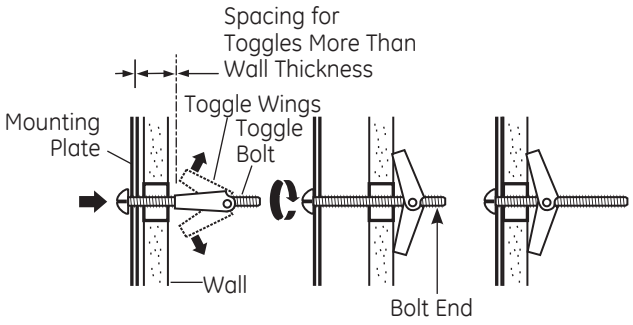
C1 ATTACH THE MOUNTING PLATE TO THE WALL



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 reattach the toggle wings to ¾″ onto each bolt.

To use toggle bolts:



3. Place the mounting plate against the wall and insert the toggle wings into the holes in the wall to mount the plate.

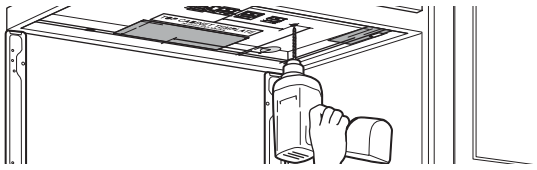
NOTE: Before tightening toggle bolts and wood screw, make sure the tabs on the mounting plate touch the bottom of the cabinet when pushed flush against the wall and that the plate is properly centered under the cabinet.

⚠CAUTION: Be careful to avoid pinching 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.

C2 USE TOP CABINET TEMPLATE FOR PREPARATION OF TOP CABINET

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



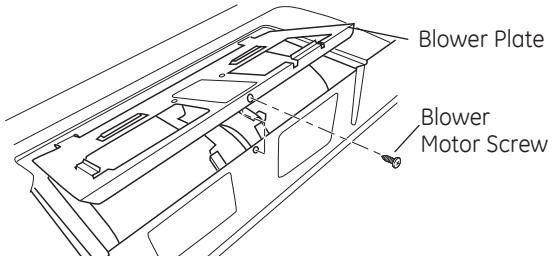
- Read the instructions on the TOP CABINET TEMPLATE.
- Tape it underneath the top cabinet.
- Drill the holes, following the instructions on the TOP CABINET TEMPLATE.

⚠CAUTION: Wear safety goggles when drilling holes in the cabinet bottom.

C3 ADAPTING BLOWER FOR RECIRCULATION

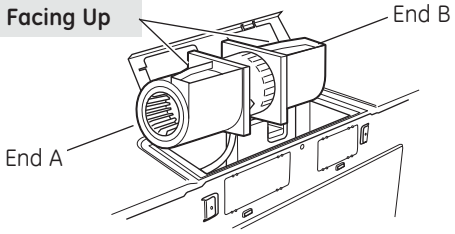
NOTE: The exhaust adaptor with damper is not needed for recirculating models. You may want to save them for possible future use.

1 Carefully pull out the blower unit. The wires will extend far enough to allow you to adjust the blower unit.

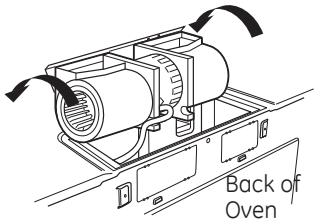


2 Carefully pull out the blower unit. The wires will extend far enough to allow you to adjust the blower unit.

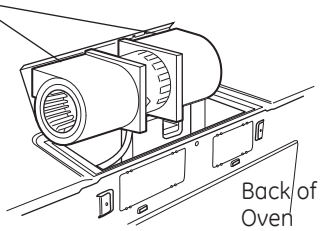
BEFORE: Fan Blade Openings Facing Up



3 Roll the blower unit 90° so that fan blade openings are facing out the back of the oven.



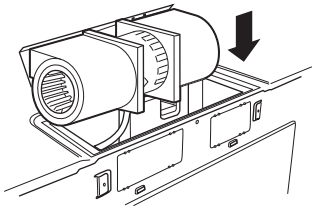
AFTER: Fan Blade Openings Facing Forward



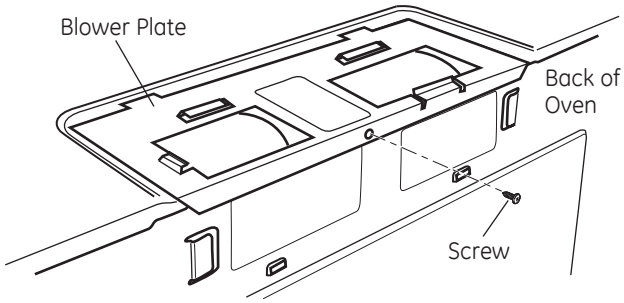
NOTE: Make sure wires remain routed in the grooves of the motor frame.

4 Place the blower unit back into the opening.

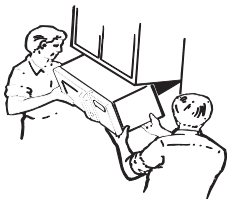
⚠WARNING: Risk of electric shock can cause injury or death. Do not pull or stretch the blower unit wiring. Make sure the wired are not pinched.



5 Close the blower plate. Secure with the screw removed earlier.



C4 MOUNT THE OVEN



⚠CAUTION: To avoid the risk of personal injury (back injury or other injuries due to excessive weight of the microwave) or property damage, you will need two people to install this microwave.

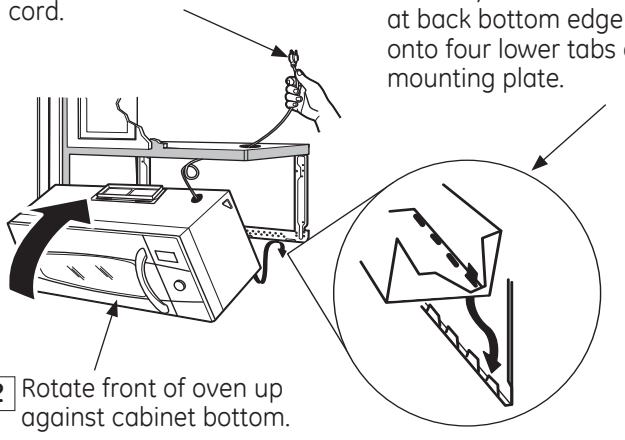
IMPORTANT: Do not grip or use handle during installation.

⚠WARNING: Risk of Electric Shock. Can cause injury or death: If installing unit with metal countertops, cover the edge of the power supply cord hole with the power supply cord bushing.

IMPORTANT: If filler blocks are not used, case damage may occur from overtightening screws.

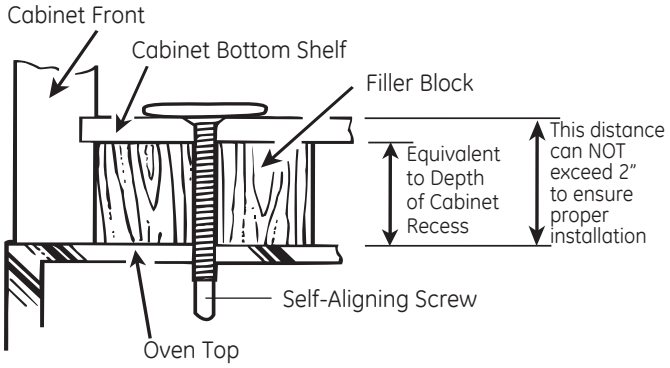
NOTE: When mounting the microwave, thread power cord through hole in bottom of top cabinet. Keep it tight throughout Steps 1–3. Do not pinch cord or lift oven by pulling cord.

1 Lift microwave, tilt it forward, and hook slots at back bottom edge onto four lower tabs of mounting plate.

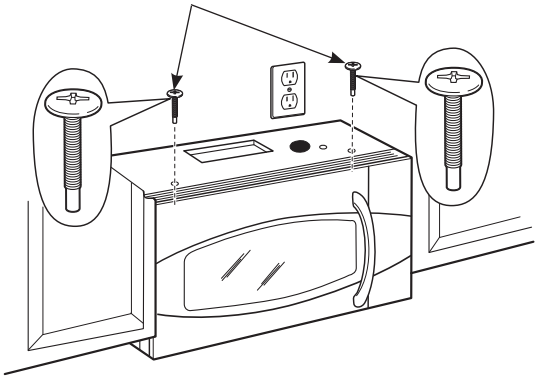


2 Rotate front of oven up against cabinet bottom.

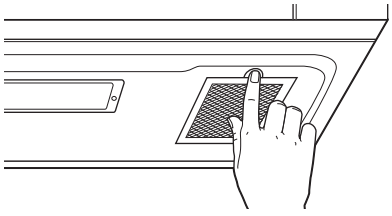
3 Insert a self-aligning screw through top-center cabinet hole. Temporarily secure the oven by turning the screw at least **two full turns** after the threads have engaged**.** (It will be completely tightened later.)



4 Insert 2 self-aligning screws (¼"-28 x 2⅝") through outer top cabinet holes. Turn two full turns on each screw.



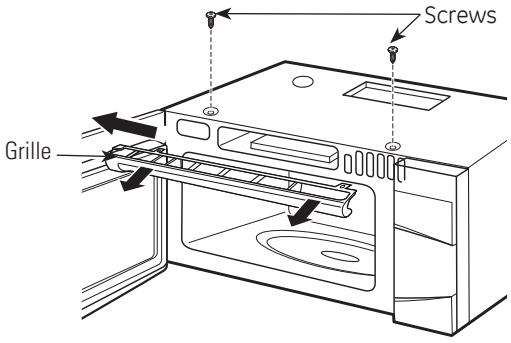
5 Tighten the outer two screws to the top of the oven. (While tightening screws, hold the oven in place against the wall and the top cabinet.)



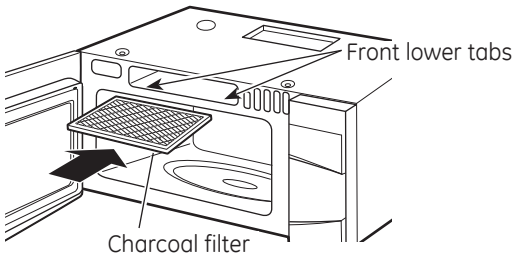
6 Install grease filters. See the Owner's Manual packed with the oven.

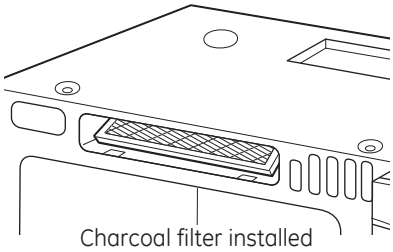
C5 INSTALLING THE CHARCOAL FILTER

1. Remove 2 screws on top of oven, just above the grille panel, using a Phillips screwdriver.
2. Open the door.
3. Remove the grille. Slide the grille to the left then pull out.



4. Insert the filter into the oven as shown until it fits squarely into place. It will rest at an angle behind the front lower tabs. When properly installed, the wire mesh of the filter should be visible from the front.





5. Replace the grille and the 2 top screws.
6. Close the door and replace left side screw.

BEFORE YOU USE YOUR OVEN

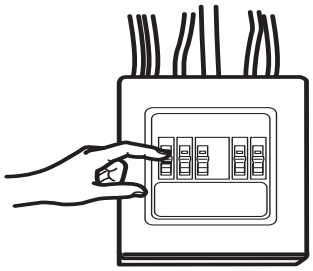
1 Make sure the oven has been installed according to instructions.



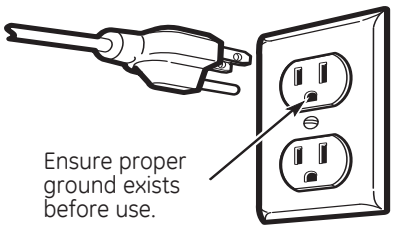
2 Remove all packing material from the oven.

3 Install turntable and wheeled ring in cavity.

4 Replace house fuse or turn breaker back on.

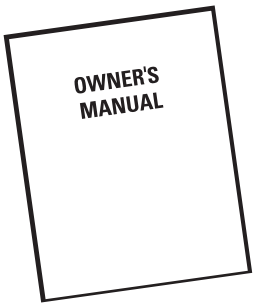


5 **120 V Models:** Plug power cord into a dedicated 15- to 20-amp electrical outlet.



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

6 Read the Owner's Manual.



7 KEEP INSTALLATION INSTRUCTIONS FOR THE LOCAL INSPECTOR'S USE.

