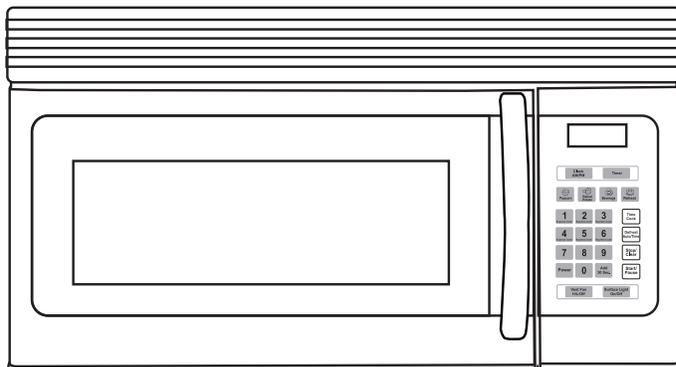




**1.6 cu. ft. Over The Range Microwave
User Manual**

**EM1601RQCW
EM1601RQCB
EM1601RQCS**



PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since open door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do not place any objects between the front of the microwave and the door; otherwise, it allows soil or other residues to accumulate on the sealing surfaces.
- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
 - (1) DOOR (bent)
 - (2) HINGES AND LATCHES (broken or loosened)
 - (3) DOOR SEALS AND SEALING SURFACES
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

SPECIFICATIONS

Model:	EM1601RQCW / EM1601RQCB / EM1601RQCS
Rated Voltage:	120V~60Hz
Rated Input Power(Microwave):	1550 Watt
Rated Output Power(Microwave):	1000 Watt
Oven Capacity:	1.6 cu. ft.
Turntable Diameter:	13.6 inches
External Dimensions(LxWxH):	29.9 x 15.0 x 16.4 inches
Net Weight:	Approx.55Lbs

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances basic safety precautions should be followed, including the following:

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

1. Read all instructions before using the appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on page 2.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 4.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers - for example, closed glass jars - are able to explode and should not be heated in this microwave.
6. Use this appliance only for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not store this appliance outdoors. Do not use this product near water - for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar location.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surface.
14. Do not let cord hang over edge of table or counter.
15. When cleaning the door and the surfaces around it, use only mild, nonabrasive soaps, or detergent applied with a sponge or soft cloth.
16. To reduce the risk of fire in the microwave cavity:
 - 1). Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the microwave to facilitate cooking.
 - 2). Remove wire twist-ties from paper or plastic bag before placing bag in microwave.
 - 3). If material inside of the microwave ignites, keep the microwave door closed, turn it off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
 - 4). Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
17. Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present.

THIS COULD RESULT IN VERY HOT LIQUID SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A UTENSIL IS INSERTED INTO THE LIQUID.

To reduce the risk of injury to persons:

- 1) Do not overheat the liquid.
 - 2) Stir the liquid both before and halfway through heating it.
 - 3) Do not use straight-sided containers with narrow necks.
 - 4) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
 - 5) Use extreme care when inserting a spoon or other utensil into the container.
18. Do not operate any heating or cooking appliance beneath the appliance.
(Exception: A microwave oven investigated for use above another heating appliance.)
 19. Do not mount unit over or near any portion of heating or cooking appliance.
(Exception: A microwave oven investigated for use above another heating appliance.)
 20. Do not mount over sink.
 21. Do not store anything directly on top of the appliance surface when the appliance is in operation .
 22. Clean ventilation hoods frequently - do not allow grease to accumulate on the hood or filter.
 23. When flaming food are under the hood, turn the fan on.
 24. Use care when cleaning the vent-hood filter. Corrosive cleaning agents such as lye-based oven cleaners, may damage the filter
 25. Suitable for use above both gas and electric cooking equipment.

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

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

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

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood or if doubting as to whether the appliance is properly grounded. If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounded plug, and 3-slot receptacle that will accept the plug on the appliance.

The marked rating of the extension cord shall be equal to or greater than the electrical rating of the appliance.

DANGER - Electric Shock Hazard

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

WARNING - Electric Shock Hazard

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

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.
3. If a long cord or extension cord is used:
 - 1) The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
 - 2) The extension cord must be a grounding-type 3-wire cord.
 - 3) The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.

RADIO INTERFERENCE

1. Operation of the microwave may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
 - 1) Clean door and sealing surface of the microwave.
 - 2) Reorient the receiving antenna of radio or television.
 - 3) Relocate the microwave with respect to the receiver.
 - 4) Move the microwave away from the receiver.
 - 5) Plug the microwave into a different outlet so that the microwave and receiver are on different branch circuits.

UTENSILS

CAUTION – Personal Injury Hazard

Tightly-closed utensils could explode. Closed containers should be opened and plastic pouches should be pierced before cooking.

See the instructions on "Materials you can use in microwave oven or to be avoided in microwave."

There may be certain non-metallic utensils that are not safe to use for microwaving. If unsure, you can test the utensil following the procedure below.

Utensil Test:

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

Materials you can use in microwave oven

Utensils	Remarks
Browning dish	Follow manufacturer* instructions. The bottom of browning dish must be at least 3/16 inch (5mm) above the turntable. Incorrect usage may cause the turntable to break.
Dinnerware	Microwave-safe only. Follow manufacturer 's instructions. Do not use cracked or chipped dishes.
Glass jars	Always remove lid. Use only to heat food until just warm. Most glass jars are not heat resistant and may break.
Glassware	Heat-resistant oven glassware only. Make sure there is no metallic trim. Do not use cracked or chipped dishes.
Oven cooking bags	Follow manufacturer* instructions. 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 oven unattended while cooking.
Paper towels	Use to cover food for reheating and absorbing fat. Use with supervision for a short-term cooking only.
Parchment paper	Use as a cover to prevent splattering or a wrap for steaming.

Materials you can use in microwave oven

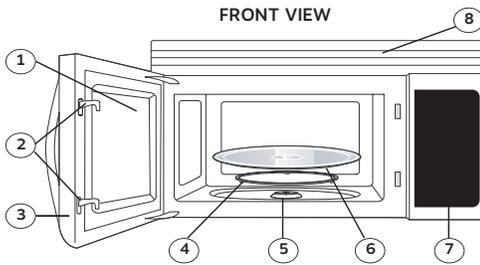
Utensils	Remarks
Plastic	Microwave-safe only. Follow the manufacturer* instructions. Should be labeled "Microwave Safe". Some plastic containers soften, as the food inside gets hot. "Boiling bags" and tightly closed plastic bags should be slit, pierced or vented as directed by package.
Plastic wrap	Microwave-safe only. Use to cover food during cooking to retain moisture. Do not allow plastic wrap to touch food.
Thermometers	Microwave-safe only (meat and candy thermometers).
Wax paper	Use as a cover to prevent splattering and retain moisture.

Materials to be avoided in microwave oven

Utensils	Remarks
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 and could cause a fire in the microwave.
Paper bags	May cause a fire in the microwave.
Plastic foam	Plastic foam may melt or contaminate the liquid inside when exposed to high temperature.
Wood	Wood will dry out when used in the microwave and may split or crack.

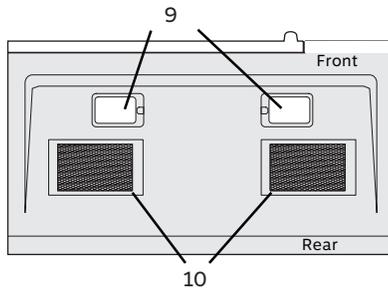
PART NAMES

Microwave features



- 1 Window
- 2 Interlock system
- 3 Door assembly
- 4 Turntable ring assembly
- 5 Turntable Shaft
- 6 Turntable glass tray
- 7 Control panel
- 8 Front vent grill
- 9 Surface lights
- 10 Ventilation filters

Bottom View



OPERATION INSTRUCTIONS

1. Clock Setting

- 1). Press "**CLOCK/AM/PM**", the unit enters the clock setting states. AM indicator will light "0:00" flash to remind you to input the time.
- 2). Press "**CLOCK/AM/PM**" again to select AM or PM. The responding AM or PM indicator lights.
- 3). Press the number keys and enter the correct time. For example, time is 10:12 now, press "1,0,1,2" in turn.
- 4). Press "**CLOCK/AM/PM**" key to finish setting the clock.

Note: This is a 12 hour clock from 1:00 to 12:59. If the set time is wrong, press "**CLOCK/AM/PM**". The buzzer will sound twice and go back to the waiting state.

2. Microwave Cooking

- 1) Press "**TIME COOK**" to select microwave cooking. "0:00" will flash to remind you to input the cooking time.
- 2) Press the number keys to adjust the cooking time you need.
For example, to cook the time for 10 minutes, press "1,0,0,0" in turn.
The maximum cooking time is 99 minutes 99 seconds.
- 3) At the same time, you can choose the power by pressing "**POWER**".
- 4) Press the number keys to select the power level.
- 5) Press "**START/PAUSE**" to start cooking. Time counts down.

Note: 1). If the power level you choose is 100% power, steps "3" and "4" can be skipped and go directly to the step "5".

2). Once the cooking is done, the buzzer will sound 5 times.

Ten power levels are available.

Level	10	9	8	7	6	5	4	3	2	1
Power	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
Display	PL10	PL9	PL8	PL7	PL6	PL5	PL4	PL3	PL2	PL1

3. Multi-stage Cooking

At most two stages can be input.

For example: to cook the food with 100% microwave power for 10 minutes and then cook with 80% microwave power for 15 minutes. Do as following:

- 1) Press "**TIME COOK**" to choose microwave cooking;
- 2) Press "1", "0", "0", "0" to input the cooking time;
- 3) Press "**POWER**" to choose 100% microwave power;
- 4) Press "**TIME COOK**" to choose microwave cooking;

- 5) Press "1", "5", "0", "0" to input cooking time;
- 6) Press "**POWER**" to select the microwave power;
- 7) Press "8" to choose 80% microwave power;
- 8) Press "**START**" to start cooking.

Note:

- a. Microwave cooking can be set as two stages only. Defrost program and auto menu cannot be set here.
- b. When the first stage finish, buzzer sounds once and the second stage begins cooking.

4. Quick Cooking

- 1) In waiting states, press **ADD 30 SEC.** to start cooking 100% microwave power for 30 seconds.
- 2) During cooking states, 30 seconds can be increased for each pressing on **ADD 30 SEC.**. The maximum cooking time is 99 minutes and 99 seconds.
- 3) Press number keys from 1 to 6 to start cooking with full microwave power for 1-6 minutes.

Note: During speedy cooking, microwave power can be checked and selected.

Press **POWER**, the current power displays, then press number keys to choose the power you need

5. Defrost Cooking

A. Defrost By Weight

- 1) Press **DEFROST AUTO/TIME** once to choose defrost by weight function. Defrost indicator will light and "lb" indicator flash;
- 2) Press number keys from 0 to 9 to input the defrost weight.
For example: the food weight is 1.2 Lbs, then "1", "2" will be input.
The maximum cooking weight is 6.0 Lbs. If the weight input is more than 6.0 Lbs, the unit will turn back to waiting state.
- 3) Press **START/PAUSE** to start defrosting. "lb" indicator will be off.

B. Defrost By Time

- 1) Press **DEFROST AUTO/TIME** twice to choose defrost by time function. Defrost indicator will light;
- 2) Press number keys from 0 to 9 to input the defrost time.
The maximum time can be input is 99 minutes and 99 seconds.
- 3) Press **START/PAUSE** to start defrosting.

Note: If half of the defrost time passes, the buzzer will sound once to remind you to turn the food over. In both weight/time defrost, the defrost icon is blinking on screen during the operation to indicate that defrost is being done.

6. Hood Function

- 1) When the exhaust fan is under off states, press "**VENT FAN/H/L/OFF**" once to choose the fan with high speed;
- 2) Press "**VENT FAN/H/L/OFF**" twice to choose the fan with low speed;
- 3) Press "**VENT FAN/H/L/OFF**" three times to choose the fan to be off.
- 4) Except lock states, the fan can be adjusted anytime.

7. Microwave Light

- 1) Press "**SURFACE LIGHT ON/OFF**" once to turn on the light;
- 2) Press "**SURFACE LIGHT ON/OFF**" twice to turn off the light.

8. Timer Function

- 1) Press "**TIMER**", timer indicator will light;
- 2) Press number keys to input the cooking time you need.
The maximum cooking time is 99 minutes and 99 seconds.
- 3) Press "**TIMER**" and the time will count down. When timer is over, the buzzer will sound.
- 4) Press "**TIMER**", the timer function or the buzzer sound will stop.

Note: During timer states, hood and microwave light can be activated. Other functions cannot be used.

9. Display On/Off Function

- 1) In waiting states, press "**0**" for 3 seconds, buzzer sounds twice. And the display would be off.
- 2) Under the mode of display off, press any key, buzzer sound once, the microwave is back to waiting mode.

10. Auto Menu

- a) Press "**POPCORN**", "**BAKED PATATO**", "**BEVERAGE**" or "**REHEAT**" repeatedly until the number you wish appears in the display.
- b) Press "**START/PAUSE**" to cook.

The menu chart:

Menu	Weight	Power
Popcorn	1.75 Oz	P100
	3.0 Oz	P100
	3.5 Oz	P100
Baked potato	1	P100
	2	P100
	3	P100
Beverage	1	P100
	2	P100
	3	P100
Reheat	8.0 Oz	P100
	16.0 Oz	P100
	24.0 Oz	P100

11. Inquiring Function

- (1) Under microwave cooking states, press " **POWER**" to check the power level.
- (2) During cooking states, press "**CLOCK/AM/PM**"to check the clock.

12. Lock Function For Children

Lock: In waiting state, press " **STOP/CLEAR** " for 3 seconds, there will be two beeps denoting the entering into the children-lock state;

Lock release: In locked state, press " **STOP/CLEAR** " for 3 seconds, there will be two beeps denoting that lock is released.

MAINTENANCE

Troubleshooting

Check your problem by using the chart below and try the solutions for each problem. If the microwave still does not work properly, contact the nearest authorized service center.

TROUBLE	POSSIBLE CAUSE	POSSIBLE REMEDY
Oven will not start	a. Electrical cord for oven is not plugged in. b. Door is open. c. Wrong operation is set.	a. Plug into the outlet. b. Close the door and try again. c. Check instructions.
Arcing or sparking	a. Materials to be avoided in microwave were used. b. The microwave is operated when empty. c. Spilled food remains in the cavity.	a. Use microwave-safe cookware only. b. Do not operate with microwave empty. c. Clean cavity with wet towel.
Unevenly cooked foods	a. Materials to be avoided in microwave were used. b. Food is not defrosted completely. c. Cook time or power level is not suitable. d. Food is not turned or stirred.	a. Use microwave-safe cookware only. b. Completely defrost food. c. Use correct cook time and power level. d. Turn or stir food.
Overcooked foods	Cook time or power level is not suitable.	Use correct cook time or power level
Undercooked foods	a. Materials to be avoided in microwave were used. b. Food is not defrosted completely. c. Microwave ventilation ports are restricted. d. Cook time or power level is not suitable.	a. Use microwave-safe cookware only. b. Completely defrost food. c. Check to see that microwave ventilation ports are not restricted. d. Use correct cook time or power level.
Improper defrosting	a. Materials to be avoided in microwave were used. b. Cook time or power level is not suitable. c. Food is not turned or stirred.	a. Use microwave-safe cookware only. b. Use correct cook time or power level. c. Turn or stir food.

CLEANING AND CARE

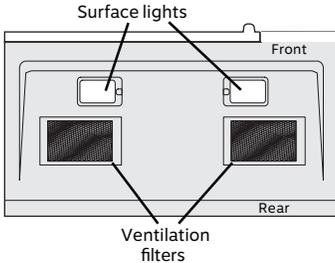
Disconnect the power cord before cleaning or leave the door open to deactivate the oven during cleaning.

Cleaning the exhaust filters

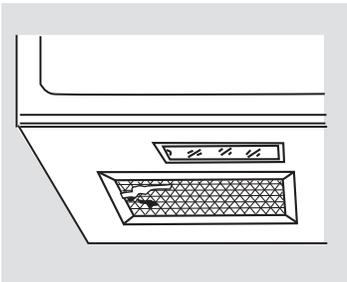
The microwave ventilation exhaust filters should be removed and cleaned often; generally at least once every month.

⚠ CAUTION

To avoid risk of personal injury or property damage, do not operate microwave hood without filters properly in place.



1. To remove the exhaust ventilation filters, slide the filter to the left/right using the tab. Pull it down and out.
2. To reinstall the exhaust ventilation filter, slide it in the frame slot on the left/ right of the opening. Pull up and to the left/ right to lock into place.

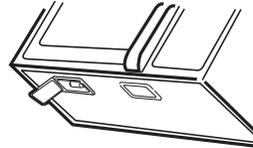


Surface light replacement

⚠ CAUTION

To avoid risk of personal injury or property damage, wear gloves when replacing the light bulbs.

1. Unplug the microwave or turn off power at the main circuit breaker.
2. Remove the bulb cover mounting screws at both light positions under the microwave.



3. Replace bulb with 30 watt appliance bulb.
4. Re-install bulb cover and mounting screw.
5. Plug the microwave back into the power supply or turn the power back on at the main circuit breaker.

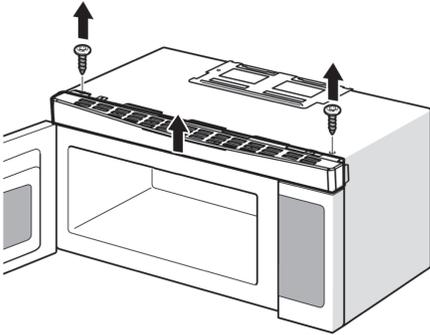
CLEANING AND CARE

**Disconnect the power cord before cleaning or
leave the door open to deactivate the oven during cleaning.**

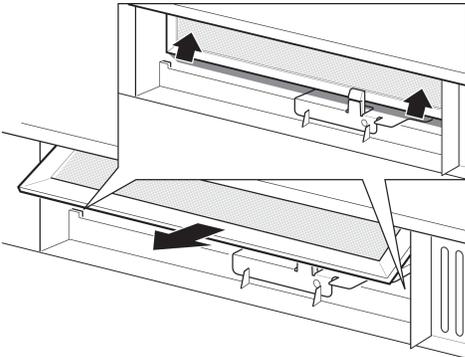
Charcoal filter replacement

Charcoal Filter installed in your microwave is used for nonvented, recirculated installation. The filter should be changed every 6 to 12 months depending on use.

1. Disconnect power to the microwave at the circuit breaker panel or by unplugging.
2. Remove the vent grill mounting screws.
3. Pull the vent grill away from the unit.



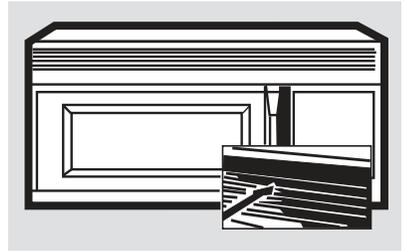
4. Remove the charcoal filter by pushing it inwards, then turn and pull it away from the unit.



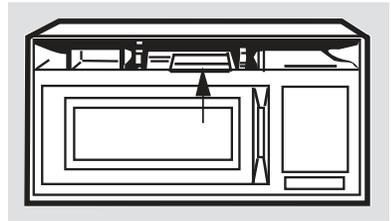
Oven light replacement

Remove the vent grill per instructions 1-4 above and charcoal filter, if used.

1. Remove the grill by taking out the 2 screws that hold it in place.



2. Next, remove the screw located above the door near the center of the oven that secures the light housing.



**Note: DO NOT USE BULB LARGER THAN
30 WATTS.**

3. Replace the screw. Connect electrical power to the microwave.

CLEANING AND CARE

**Disconnect the power cord before cleaning or
leave the door open to deactivate the oven during cleaning.**

Cleaning suggestions

For best performance and for safety reasons, keep the oven clean inside and outside. Take special care to keep the inner door panel and microwave frame free of food and grease build-up.

Never use rough scouring powder or pads on the microwave. Wipe the microwave inside and out with a soft cloth and a warm (not hot) mild detergent solution. Then rinse and wipe completely dry.

Wipe spatters immediately with a wet paper towel, especially after cooking greasy foods like chicken or bacon.

Clean your microwave weekly or more often, if needed.

Follow these instructions to clean and care for your microwave:

- Keep the inside (cavity) of the microwave clean. Food particles and spilled liquids can stick to the walls, causing the microwave to work less efficiently.
- Wipe up spills immediately. Use a damp, clean cloth and mild soap. **DO NOT** use harsh detergents or abrasive cleaners.
- To help loosen baked-on food particles or liquids, heat 2 cups of water (add the juice of 1 lemon if you desire to keep the oven fresh smelling) in a 4 cup measuring glass at High power for 5 minutes or until boiling. Let stand in oven cavity for 1 or 2 minutes.
- Remove the glass turntable tray when cleaning the cavity or tray. To prevent the glass turntable from breaking, handle with care and do not put it in water immediately after cooking. Wash the turntable tray in warm sudsy water or in the dish washer.
- Clean the outside surface of the microwave with soap and a clean damp cloth. Dry with a clean soft cloth. To prevent damage to the operating parts, do not let water seep into any vents or openings.

Wash the door window with very mild soap and water. Be sure to use a soft clean cloth to avoid scratching.

- If steam accumulates inside or outside the door, wipe with a soft cloth. Steam can accumulate when operating the microwave in high humidity and in no way indicates microwave leakage.
- Never operate the oven without food in the oven cavity; this can damage the magnetron tube or glass tray. You may wish to leave a cup of water standing inside the microwave when it is not in use to prevent damage if accidentally turned on.

Element Appliance Limited Warranty

(the “Products” or “Product” when referencing a singular product herein)

This Product (including any accessories included in the original packaging) as supplied and distributed in new condition, is warranted by Element Appliance Company, LLC (“Element”) to the original customer who purchases the Product from an authorized Element retailer (the “Original Customer” or “you”) against defects in material and workmanship under proper use, maintenance, and care according to the owner’s manual, warnings, and instructions accompanying the Product (“Warranty”) as follows:

* **PLEASE NOTE** – Proof of purchase evidencing the date of purchase by the Original Purchaser from an authorized Element retailer (“Valid Proof of Purchase”) is **required** for all Warranty service. The express Warranty set forth herein is subject to all terms and conditions set forth below.

1. WARRANTY SERVICE:

A. ONE-YEAR WARRANTY: Except as provided in subpart 1.B below, for a period of **one (1)**

year from the date of purchase by the Original Customer (the “Warranty Period”), if the parts or components covered by this Warranty are determined by Element or Element’s authorized service provider to be defective in material or workmanship, Element will, at its sole and absolute discretion and option: (i) repair the defective part or component at no charge to the Original Customer, (ii) replace the defective Product with a new Product of similar or better quality, at no charge to the Original Customer, or (iii) refund the documented purchase price paid by the Original Customer (excluding tax) to the Original Customer upon return of the defective Product as directed by Element. After the Warranty Period expires, the Original Customer must pay for all parts, components, shipping and handling, labor, and replacement costs associated with the Product or any part or component thereof, regardless of any defects in the Product or any part or component thereof.

B. LIMITED EXTENDED WARRANTY THROUGH PRODUCT REGISTRATION: If and only if the Original Customer registers the Product at www.elementelectronics.com within **ninety (90)** days of the date of purchase by the Original Customer, then the Warranty Period discussed in subpart 1.A. above shall be extended an additional one (1) year to a new Warranty Period equaling **two (2) years** from the date of purchase by the Original Customer. If the Product is not registered as provided for in this subpart 1.B, then the standard one-year Warranty Period set forth in subpart 1.A shall apply.

C. TIMING AND PROCEDURE: Before Warranty service can commence, the Original Customer must contact either (i) the retailer from whom the Original Customer purchased the Product, or (ii) Element directly, in either case for problem determination and service procedures. Valid Proof of Purchase evidencing that the Product is within the Warranty Period **MUST** be presented by Original Customer in order to obtain the requested Warranty service. Please have your model and serial number available, along with your date of purchase of the Product. To remain eligible for Warranty service, Original Customer may not return the Product or any part or component thereof to the retailer or Element without Element’s prior written consent.

2. EXCLUSIONS AND LIMITATIONS TO WARRANTY SERVICE

The Warranty covers manufacturing defects in materials and workmanship of the Product encountered in the normal, non-commercial use of the Product, and **does not cover** (a) damages or malfunctions resulting from improper or unreasonable use or maintenance, abuse, negligence, failure to follow instructions contained in any written materials that accompany the Product, deterioration by reason of excess moisture, corrosive atmosphere, lightning, power surges, connections to improper voltage supply, unauthorized alteration, or other external causes such as extremes in temperature or humidity, modifications, scratches or discoloration; (b) any damage caused by using non-authorized parts or service facilities for repair of Products (however, for avoidance of doubt, using non-authorized parts or service facilities will not, in and of itself, void the Warranty); (c) transportation, shipping, delivery, pickup, insurance, installation, or set-up costs; (d) ordinary wear and tear, cosmetic damage, or damage due to acts of nature, including but not limited to, water, floods, wind, storm, tornado, earthquake, or fire, or due to damage caused by extraordinary impact events, such as dropping, crushing, demolition or other extraordinary damage; (e) commercial use of the Product, or use of the Product for anything other than single-family household or residential use; or (f) modification of the Product or any part of the Product.

This Warranty is made to the Original Customer only and does not cover Products sold AS IS or WITH ALL FAULTS. The Warranty is invalid if the factory-applied serial number has been altered or removed from the Product. This Warranty is valid only in the United States, and only applies to Product if it was purchased and serviced in the United States. The addition of equipment or features to the Product that are not manufactured or recommended by Element could affect the intended function of the Product, and therefore may void the Warranty. Furthermore, the exposure of the Product to chemicals, heat, cold, humidity, or other elements can affect the Product components, and therefore, the Warranty does not cover discoloration, fading, cosmetic changes, rust, or any damages or failure related to any such items. The Warranty is contingent upon the proper use, maintenance, and care of the Product. The Warranty may be void if the Product has been used in a manner contradictory to, or in violation of, the terms of the user's manual, warnings, or instructions accompanying the Product.

THIS WARRANTY IS MADE IN LIEU OF AND SUPERSEDES ALL OTHER WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR GENERAL USE, WHETHER EXPRESS, IMPLIED, COLLATERAL, STATUTORY, OR PROVIDED BY COMMON LAW, THE UNIFORM COMMERCIAL CODE, OR OTHERWISE. ELEMENT FURTHER DISCLAIMS ALL WARRANTIES AFTER THE END OF THE WARRANTY TERM DEFINED ABOVE. NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY OTHER PERSON, FIRM, OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BE BINDING ON ELEMENT. REPAIR, REPLACEMENT, OR REFUND OF THE ORIGINAL PURCHASE PRICE, AT ELEMENT'S SOLE DISCRETION, ARE THE EXCLUSIVE REMEDIES OF THE CUSTOMER.

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TRANSFERRABLE. NO PERSON IS AUTHORIZED TO ALTER, EXTEND, OR WAIVE THIS WARRANTY OR ANY OF ITS TERMS OR CONDITIONS.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on warranties, so the above limitations or exclusions may not apply to you. This Warranty gives you specific rights, and you may have other rights, which vary from state to state. The exclusions and limitations to the Warranty apply to the maximum extent permitted by law and unless restricted or prohibited by law. Where any term of this Warranty is prohibited by applicable law, it shall be null and void, but the remainder of this Warranty shall remain in effect.

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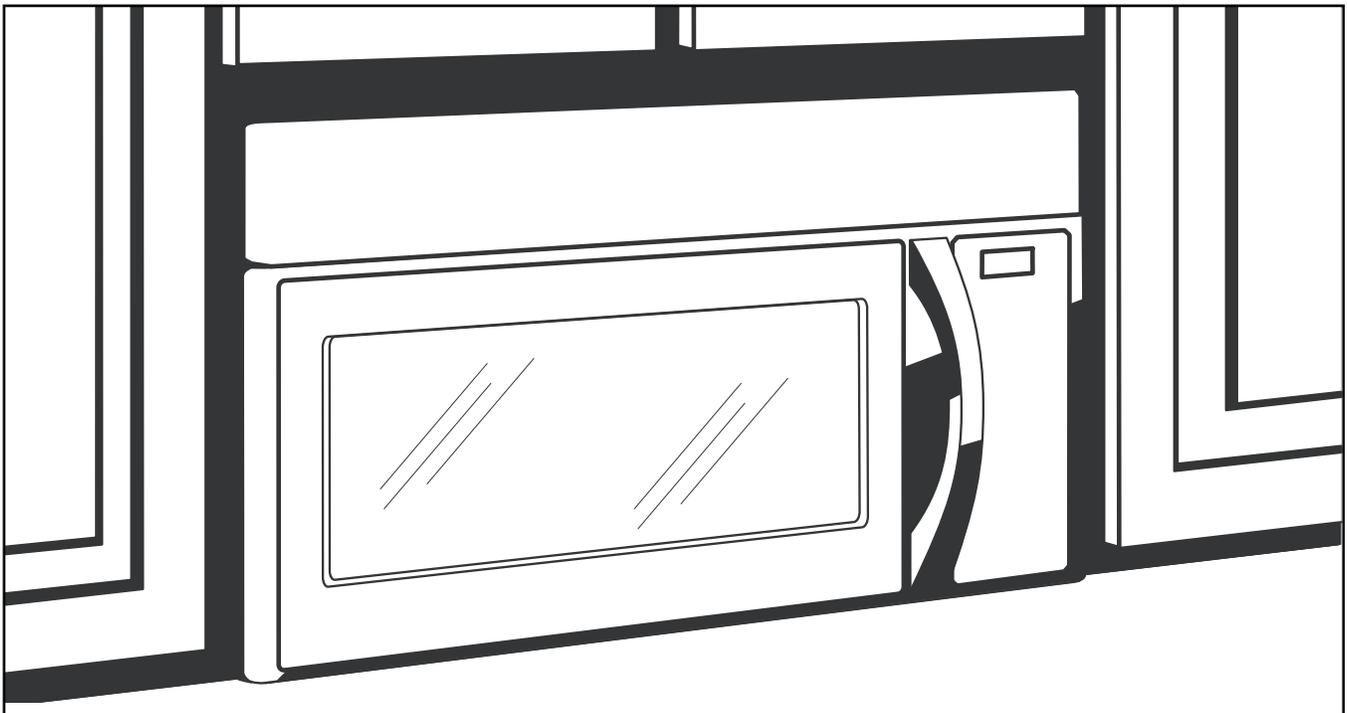
Installation Instructions

Over the Range Microwave

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.



**READ CAREFULLY.
KEEP THESE
INSTRUCTIONS.**

Installation Instructions

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Mount the Microwave

C Recirculating

Attach Mounting Plate to Wall.....

Preparation of Top Cabinet

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Mount the Microwave

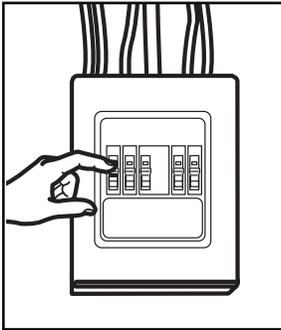
Installing or Change
the Charcoal Filter.....

Before You Use Your Microwave

Installation Instructions

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 insure 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 house fuse or open circuit breaker before beginning 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 63–85 pound (28.5–38.5 kg) product, plus additional loads of up to 50 pounds (22.7 kg) or a total weight of 113–135 pounds (51.3–61.2 kg).

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.

NOTE: For easier installation and personal safety, it is recommended 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.



Ensure proper ground exists before use

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.

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.

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, 15 amps and 1.6 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 microwave. 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.

Installation Instructions

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

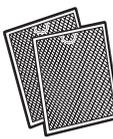
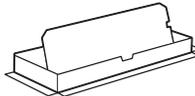
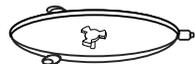
PART		QUANTITY
	Wood Screws ($\frac{1}{4}$ " x 2")	2
	Toggle Bolts (and wing nuts) ($\frac{3}{16}$ " x 3")	2
	Self-Aligning Machine Screws ($\frac{1}{4}$ " x $3\frac{1}{4}$ ")	3
	Nylon Grommet (for metal cabinets)	1

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 (CONT.)

ADDITIONAL PARTS

PART		QUANTITY
	Combined Top Cabinet Template and Rear Wall Template	1
	Installation Instructions	1
	Separately Packed Grease Filters	2
	Exhaust adaptor	1
	Glass Tray	1
	Turntable Ring	1

Installation Instructions

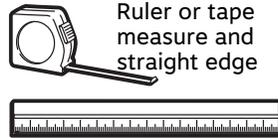
TOOLS YOU WILL NEED



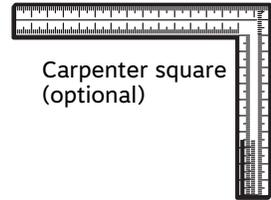
1 Phillips screwdriver



Pencil



Ruler or tape measure and straight edge



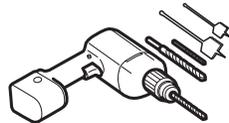
Carpenter square (optional)



Tin snips (for cutting damper, if required)



Scissors (to cut template, if necessary)



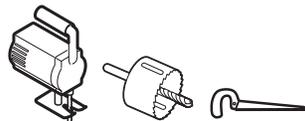
Electric drill with $\frac{3}{16}$ " , $\frac{1}{2}$ " and $\frac{5}{8}$ " drill bits



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

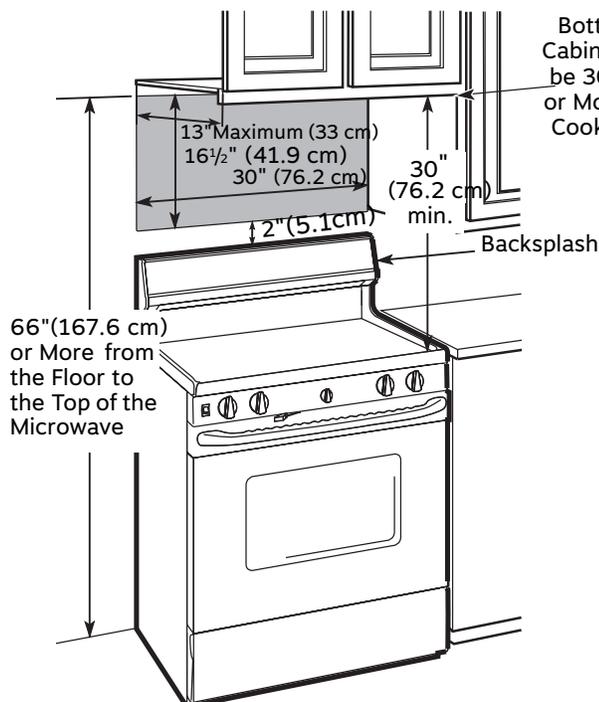


Level



Duct and masking tape

MOUNTING SPACE



NOTES:

- The space between the cabinets must be 30" (76.2 cm) wide and free of obstructions.
- If you are going to vent your microwave to the outside, see Hood Exhaust Section for exhaust duct preparation.
- When installing the microwave beneath smooth, flat cabinets, be careful to follow the instructions on the top cabinet template for power cord clearance.

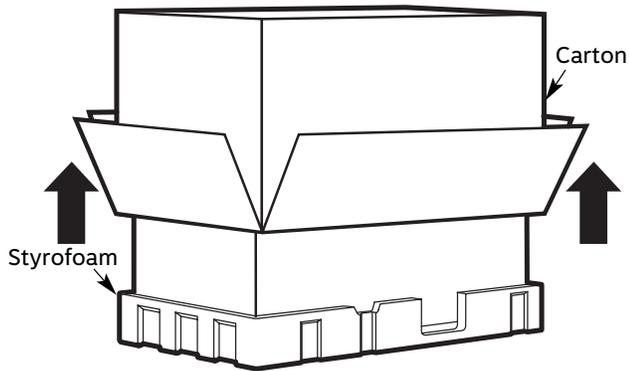
As a guide to installation, see page 24 for Mounting Template Information.

Installation Instructions

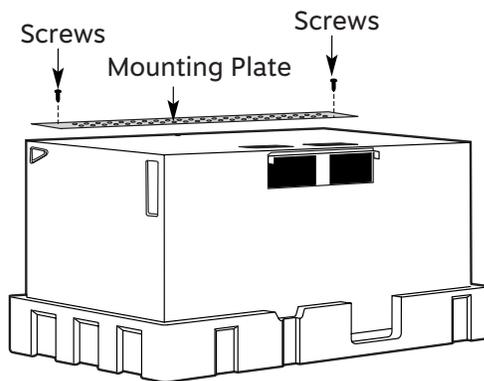
1 PLACEMENT OF THE MOUNTING PLATE

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

- 1 Remove the installation instructions, 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 microwave and carton over onto the top side. The microwave should be resting in the Styrofoam.

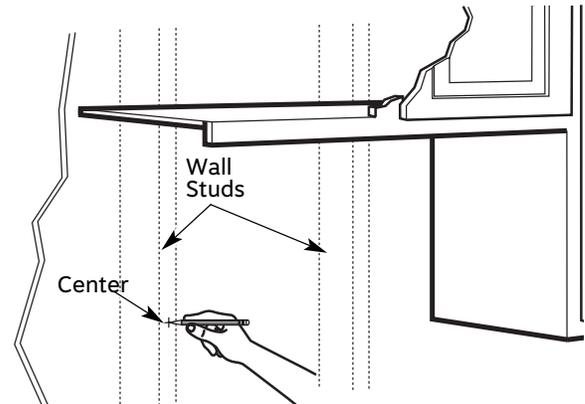


- 3 Pull the carton up and off the microwave.
- 4 Cut the middle of the outer protective plastic bag to remove the mounting plate



- 5 Remove the screws from the mounting plate. This plate will be used as the rear wall template and for mounting. Reinstall the screws into the holes where they were removed.

B. FINDING THE WALL STUDS



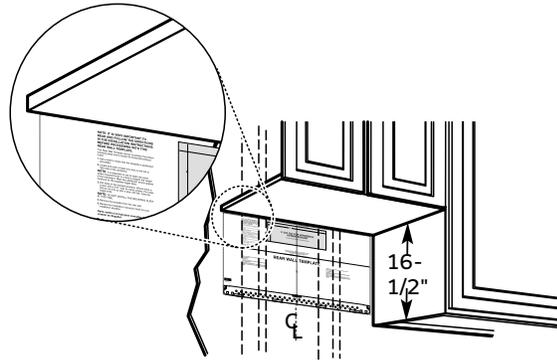
- 1 Find the studs, using one of the following methods:
 - A. Stud finder – a magnetic device which locates nails.OR
 - B. Use a hammer to tap lightly across the mounting surface to find a solid sound. This will indicate a stud location.
- 2 After locating the stud(s), find the center by probing the 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" (40.6 cm) or 24" (61 cm) from this mark.
- 3 Draw a line down the center of the studs.

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

Installation Instructions

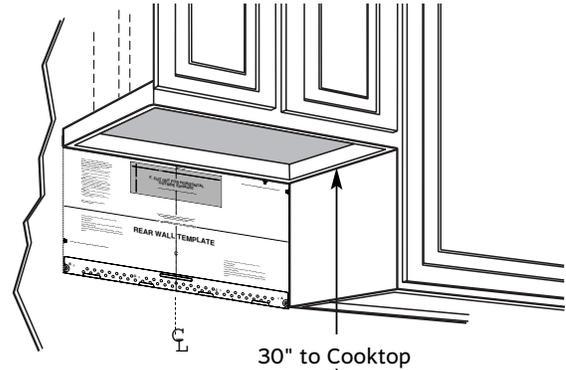
C. DETERMINING WALL PLATE LOCATION UNDER YOUR CABINET

Plate position—beneath flat bottom cabinet



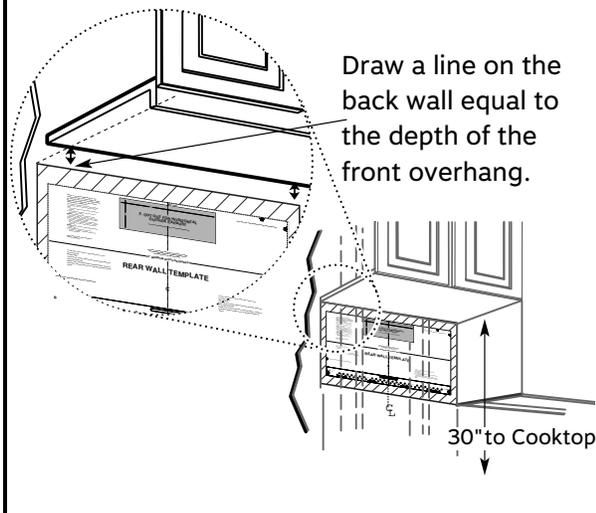
Draw a vertical line on the wall at the center of the 30" wide space. Tape the Rear Wall Template onto the wall matching the centerline and touching the bottom of the cabinet.

Plate position—beneath framed recessed cabinet bottom



Draw a vertical line on the wall at the center of the 30" space.
Tape the Rear Wall Template onto the wall matching the centerline and touching the bottom cabinet frame.

Plate position—beneath recessed bottom cabinet with front overhang



Draw a line on the back wall equal to the depth of the front overhang.

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.

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 microwave 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.

Installation Instructions

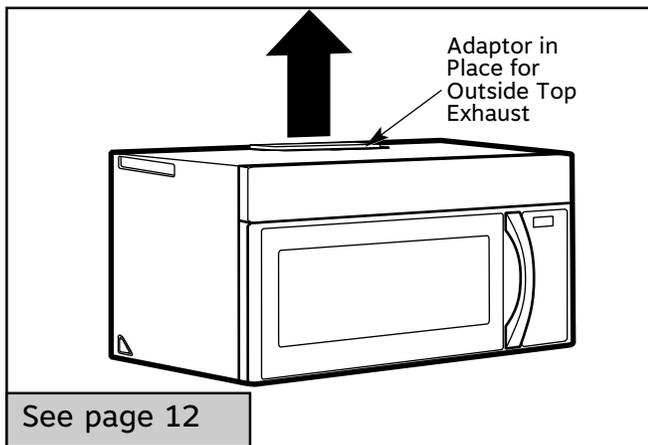
2 INSTALLATION TYPES (Choose A, B or C)

This microwave is designed for adaptation to the following three types of ventilation:

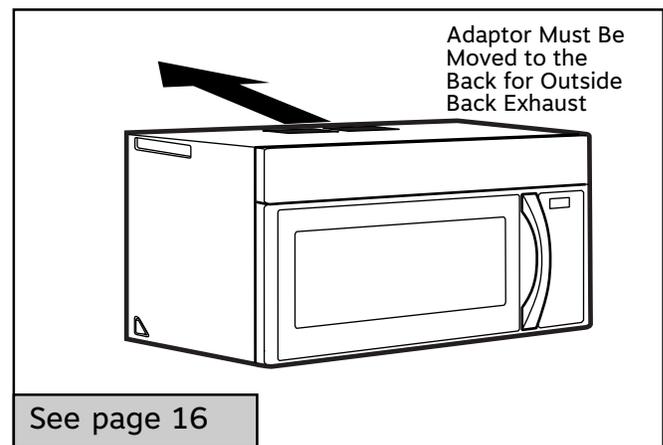
- A. Outside Top Exhaust (Vertical Duct)
- B. Outside Back Exhaust (Horizontal Duct)
- C. Recirculating (Non-Vented Ductless)

NOTE: This microwave is shipped assembled for Recirculating. Select the type of ventilation required for your installation and proceed to that section.

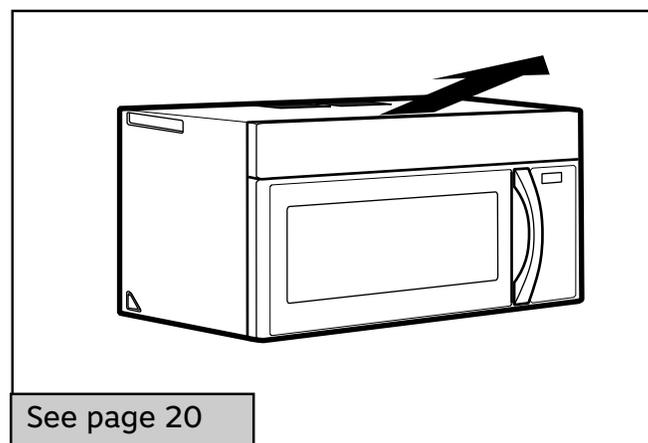
A OUTSIDE TOP EXHAUST (VERTICAL DUCT)



B OUTSIDE BACK EXHAUST (HORIZONTAL DUCT)



C RECIRCULATING (NON-VENTED DUCTLESS)



On models shipped for recirculating exhaust, a disposable charcoal filter is factory installed to help remove smoke and odors.

Installation Instructions

INSTALLATION INSTRUCTIONS FOR EXTERNAL EXHAUST DUCTING

NOTE: If you need to install ducts, note that the total duct length of 3¹/₄" x 10" (8.2 x 25.4 cm) rectangular or 5" (10.5 cm) diameter/ 6" (15.2 cm) diameter round duct should not exceed 120 equivalent feet (36.5 m).

Outside ventilation requires a EXTERNAL 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 exhaust adaptor has been designed to mate with a standard 3¹/₄" x 10" (8.2 x 25.4 cm) rectangular duct.

If a round duct is required, a rectangular-to-round transition adaptor must be used.

A 5"(10.5cm)/ 6"(15.2cm) diameter duct is acceptable to use

Maximum duct length:

For satisfactory air movement, the total duct length of 3¹/₄" x 10" (8.2 x 25.4 cm) rectangular or 5" (10.5 cm) diameter/6 "(15.2 cm) diameter round duct should not exceed 120 equivalent feet (36.5 m).

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. (1.5 m)	x	()	=	Ft. or m
	Wall Cap	40 Ft. (12.2 m)	x	()	=	Ft. or m
	90° Elbow	10 Ft. (3 m)	x	()	=	Ft. or m
	45° Elbow	5 Ft. (1.5 m)	x	()	=	Ft. or m
	90° Elbow	25 Ft. (7.6 m)	x	()	=	Ft. or m
	45° Elbow	5 Ft. (1.5 m)	x	()	=	Ft. or m
	Roof Cap	24 Ft. (7.3 m)	x	()	=	Ft. or m
	Straight Duct 6" (15.2 cm) Round or 3 ¹ / ₄ " x 10" (8.2 x 25.4 cm) Rectangular	1 Ft. (0.3 m)	x	()	=	Ft. or m
Total Ductwork					=	Ft. or m



* 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.

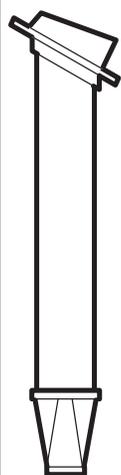
Installation Instructions

EXTERNAL EXHAUST DUCTING

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 20.

OUTSIDE TOP EXHAUST (EXAMPLE ONLY)

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

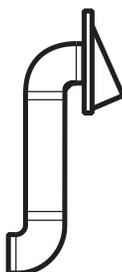


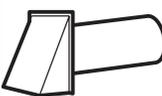
DUCT PIECES		EQUIVALENT LENGTH	x	NUMBER USED	=	EQUIVALENT LENGTH	
	Roof Cap	24 Ft. (7.3 m)	x	(1)	=	24 Ft. (7.3 m)	
	12 Ft. (3.6 m) Straight Duct (6"/15.2 cm Round)	12 Ft. (3.6 m)	x	(1)	=	12 Ft. (3.6 m)	
	Rectangular-to-Round Transition Adaptor*	5 Ft. (1.5 m)	x	(1)	=	5 Ft. (1.5 m)	
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any vent hood.					Total Length	=	41 Ft. (12.5 m)

* 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. (12.2 m)	x	(1)	=	40 Ft. (12.2 m)	
	3 Ft. Straight Duct (3 1/4" x 10"/8.2 x 25.4 cm Rectangular)	3 Ft. (0.9 m)	x	(1)	=	3 Ft. (0.9 m)	
	90° Elbow	10 Ft. (3 m)	x	(2)	=	20 Ft. (3 m)	
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. (19.2 m)

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.

Installation Instructions

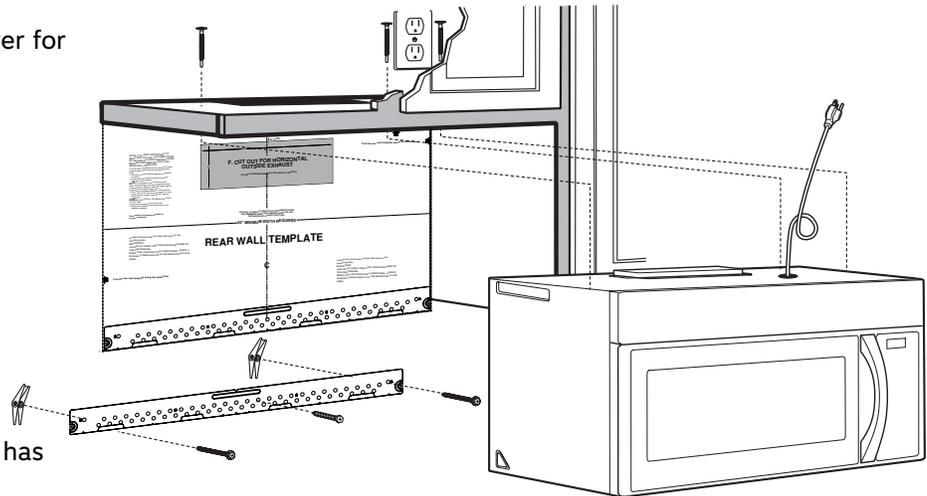
A OUTSIDE TOP EXHAUST (Vertical Duct)

INSTALLATION OVERVIEW

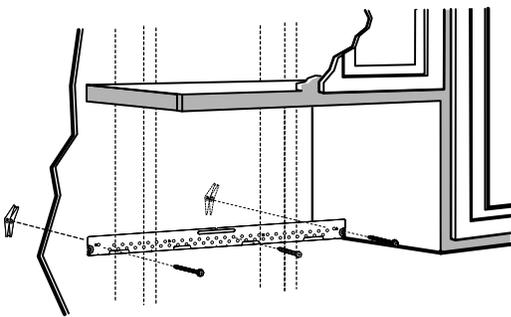
- A1. Attach Mounting Plate to Wall
- A2. Prepare Top Cabinet
- A3. Adapting Microwave Blower for Outside Top Exhaust
- A4. Check Damper Operation
- A5. Mount Microwave
- A6. Adjust Exhaust Adaptor
- A7. Connect Ductwork

IMPORTANT NOTES:

- Make sure the screws for the blower motor and blower plate are securely tightened when they are reinstalled. This will help to prevent excessive vibration.
- Make sure the motor wiring has been properly routed and secured, and that the wires are not pinched.



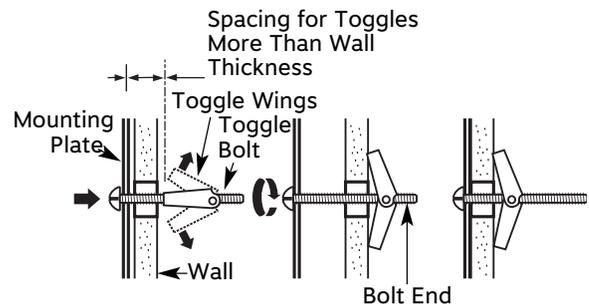
A1. ATTACH THE MOUNTING PLATE TO THE WALL



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.

- 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 $\frac{3}{4}$ " (19 mm) 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.

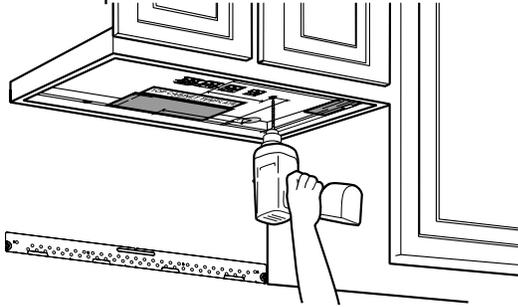
CAUTION: Be careful to avoid pinching fingers between the back of the mounting plate and the wall.

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

Installation Instructions

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.

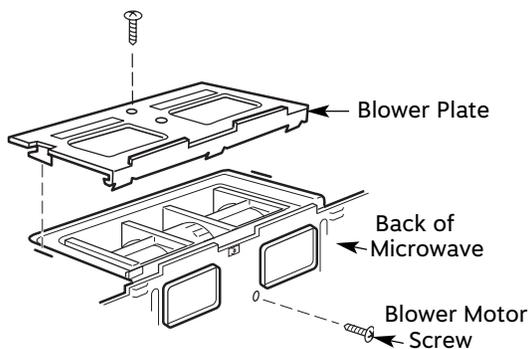


- Read the instructions on the TOP CABINET TEMPLATE.
- Tape it underneath the top cabinet.
- Drill the holes, following the instructions on the TOP CABINET TEMPLATE.

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

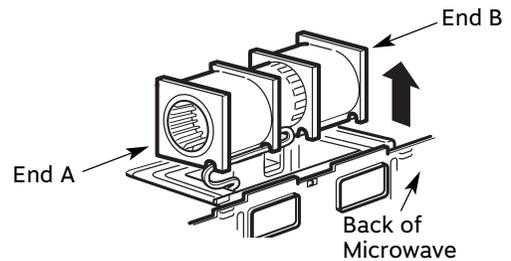
A3. ADAPTING MICROWAVE BLOWER FOR OUTSIDE TOP EXHAUST

- 1 Place the microwave in its upright position, with the top of the unit facing up.

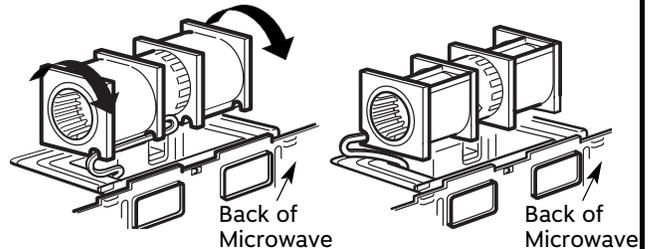


Remove the screw that holds the blower plate to the microwave. Remove and save the screw holding the blower motor to the microwave.

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

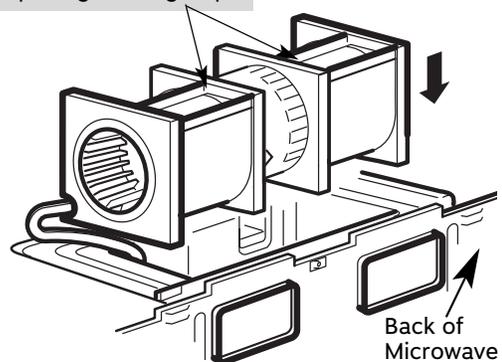


- 3 Roll the blower unit 90° so that fan blade openings are facing out the top of the microwave. Before Rotation After Rotation



- 4 Place the blower unit back into the opening.

AFTER: Fan Blade Openings Facing Top

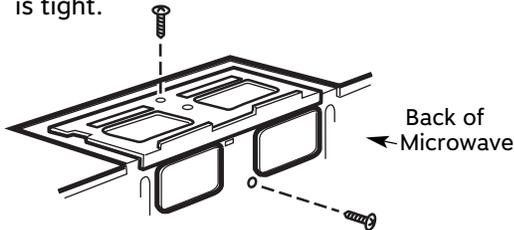


CAUTION: Do not pull or stretch the blower unit wiring. Make sure the wires are not pinched, and that they are properly secured.

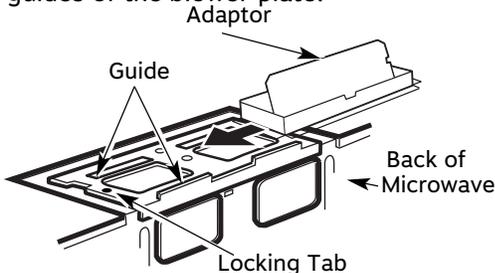
Installation Instructions

A3. ADAPTING MICROWAVE BLOWER FOR OUTSIDE TOP EXHAUST

- 5 Secure blower unit to microwave with the screw removed in Step 1. Make sure the screw is tight.
- 6 Replace blower plate with the screw removed in Step 1. Make sure the screw is tight.

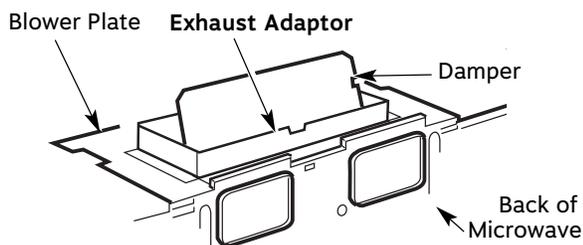


- 7 Attach the exhaust adaptor to the top of the blower plate by sliding it into the guides of the blower plate.



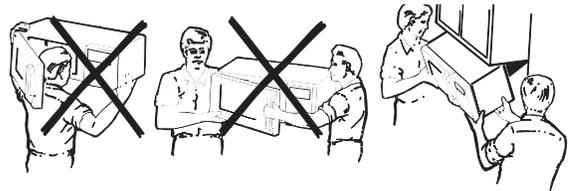
Push in securely until it is in the locking tabs. Take care to assure that the damper hinge is installed so that the damper swings freely.

A4. CHECK FOR PROPER DAMPER OPERATION



- Make sure tape securing damper is removed and damper pivots easily before mounting microwave.
- You will need to make adjustments to assure proper alignment with your house exhaust duct after the microwave is installed.

A5. MOUNT THE MICROWAVE



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

IMPORTANT: Do not grip or use handle during installation.

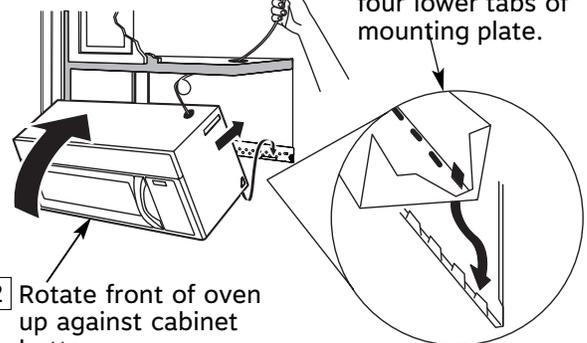
NOTE: If your cabinet is metal, use the nylon grommet around the power cord hole to prevent cutting of the cord.

NOTE: We recommend using filler blocks if the cabinet front hangs below the cabinet bottom shelf.

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.

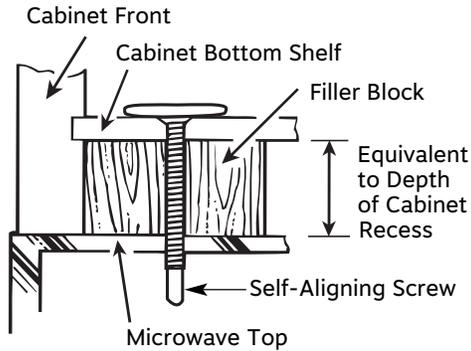


- 2 Rotate front of oven up against cabinet bottom.

- 3 Insert a self-aligning screw through top center cabinet hole. Temporarily secure the microwave by turning the screw at least two full turns after the threads have engaged. (It will be completely tightened later.) Be sure to keep power cord tight. Be careful not to pinch the cord, especially when mounting flush to bottom of cabinet.

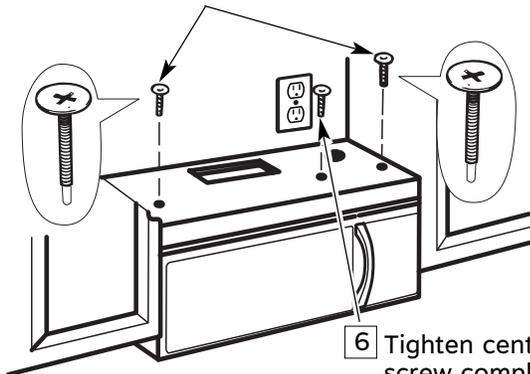
Installation Instructions

A5. MOUNT THE MICROWAVE (cont.)

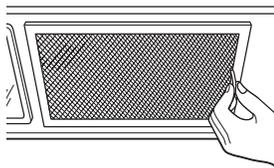


4 Attach the microwave to the top cabinet.

5 Insert 2 self-aligning screws through outer top cabinet holes. Turn two full turns on each screw.



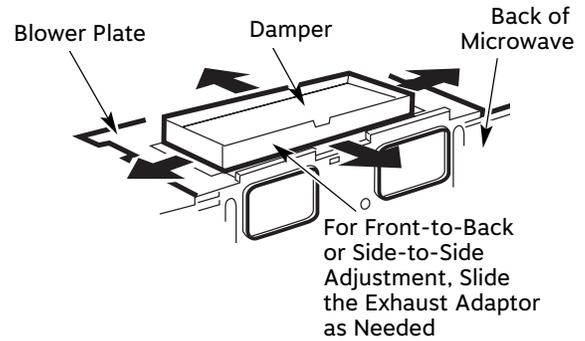
7 Tighten the outer two screws to the top of the microwave. (While tightening screws, hold the microwave in place against the wall and the top cabinet.)



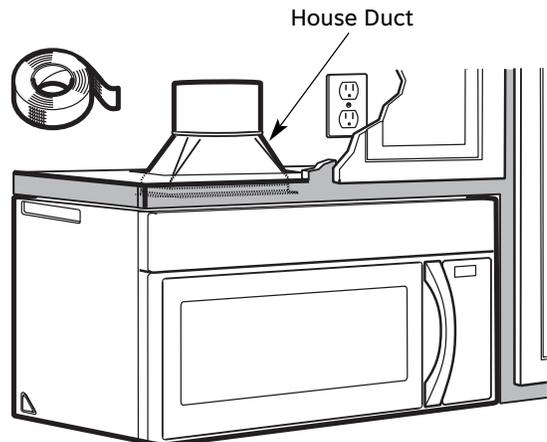
8 Install grease filters. See the Owner's Manual packed with the microwave.

A6. ADJUST THE EXHAUST ADAPTOR

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



A7. CONNECTING DUCTWORK



- 1 Extend the house duct down to connect to the exhaust adaptor.
- 2 Seal exhaust duct joints using furnace duct tape for high temperature applications.

Installation Instructions

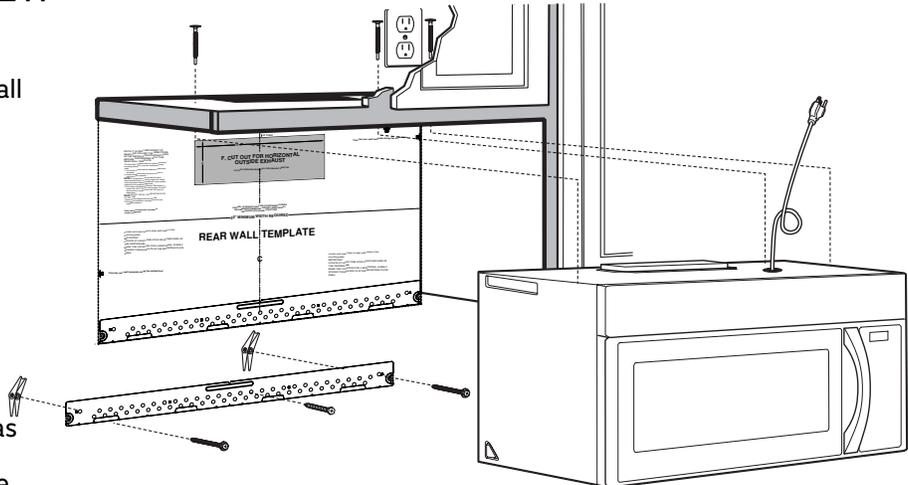
B **OUTSIDE BACK EXHAUST** (Horizontal Duct)

INSTALLATION OVERVIEW

- B1. Prepare Rear Wall
- B2. Remove Blower Plate
- B3. Attach Mounting Plate to Wall
- B4. Prepare Top Cabinet
- B5. Adjust Blower
- B6. Mount the Microwave

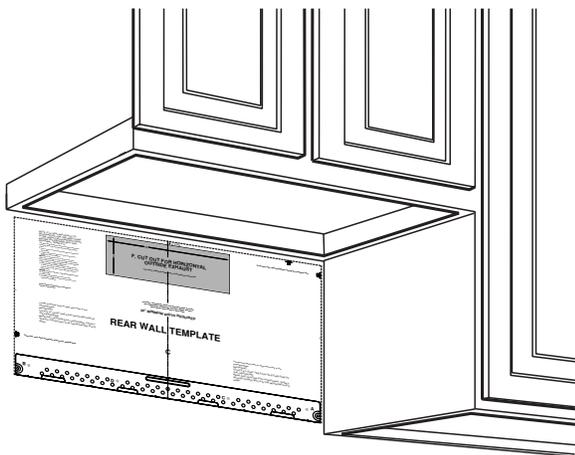
IMPORTANT NOTES:

- Make sure the screws for the blower motor and blower plate are securely tightened when they are reinstalled. This will help to prevent excessive vibration.
- Make sure the motor wiring has been properly routed and secured, and that the wires are not pinched.



B1. PREPARING THE REAR WALL FOR OUTSIDE BACK EXHAUST

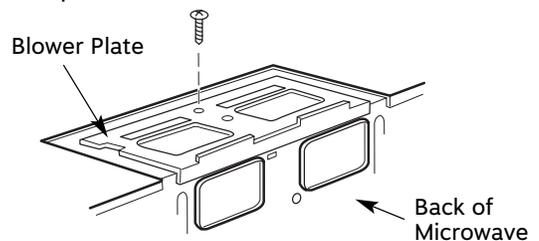
You need to cut an opening in the rear wall for outside exhaust.



- 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.

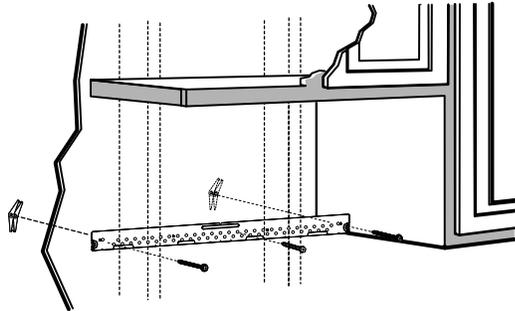
B2. REMOVE BLOWER PLATE

Remove and save the screw that holds the blower plate to the microwave. Lift off the blower plate.



Installation Instructions

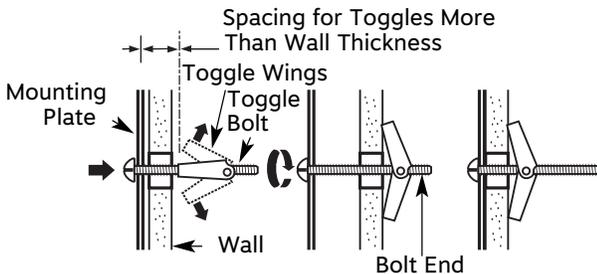
B3. ATTACH THE MOUNTING PLATE TO THE WALL



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 $\frac{3}{4}$ " (19 mm) 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.

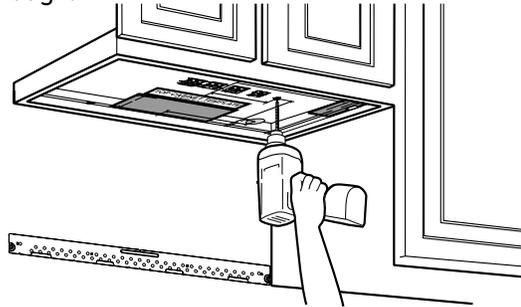
NOTE: Before tightening toggle bolts and wood screw, make sure the tabs on the mounting plate touch the bottom of the cabinet when pushed flush against the wall and that the plate is properly centered under the cabinet.

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.

B4. 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.

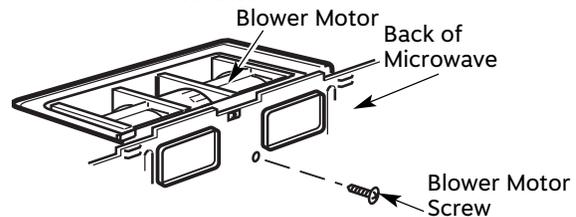


- Read the instructions on the TOP CABINET TEMPLATE.
- Tape it underneath the top cabinet.
- Drill the holes, following the instructions on the TOP CABINET TEMPLATE.

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

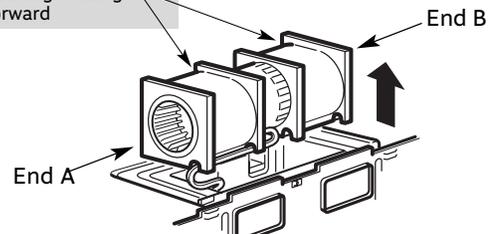
B5. ADAPTING MICROWAVE BLOWER FOR OUTSIDE BACK EXHAUST

- 1 Remove and save screw that holds blower motor to microwave.



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

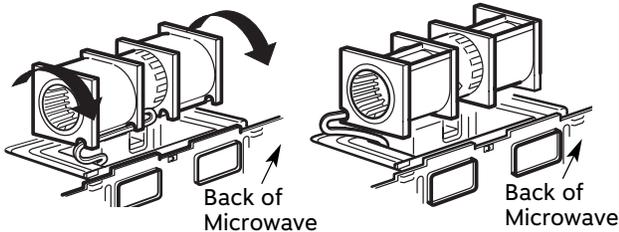
Before: Fan Blade Openings Facing Forward



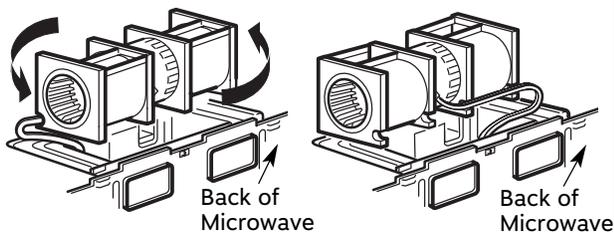
B5. ADAPTING MICROWAVE BLOWER FOR OUTSIDE BACK EXHAUST (cont.)

Installation Instructions

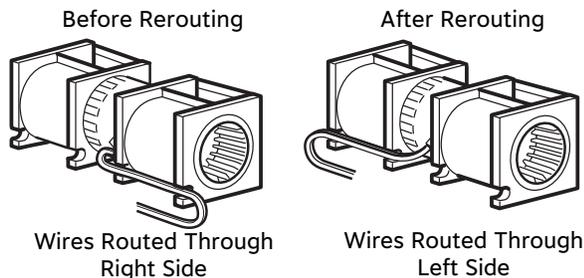
- 3 Roll the blower unit 90°
Before Rotation



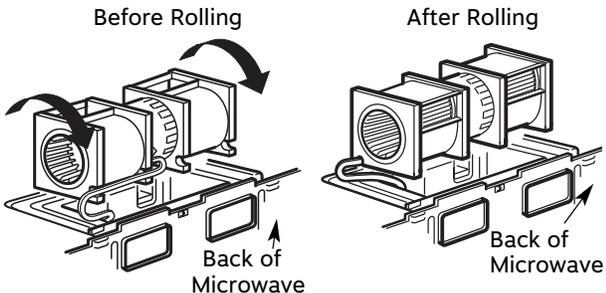
- 4 Rotate blower unit counterclockwise 180°.
Before Rotation



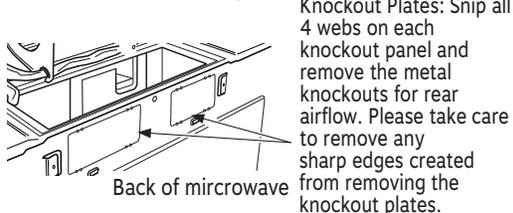
- 5 Gently remove the wires from the grooves. Reroute the wires through grooves on other side of the blower unit.



- 6 Roll the blower unit 90° so that fan blade openings are facing out the back of the microwave.

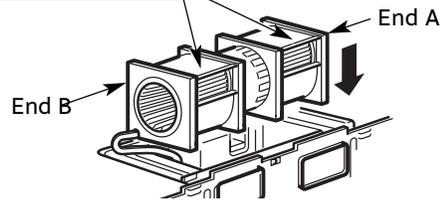


- 7 Remove the knockout plates in back of the unit with snips. (For some models)



- 8 Place the blower unit back into the opening.

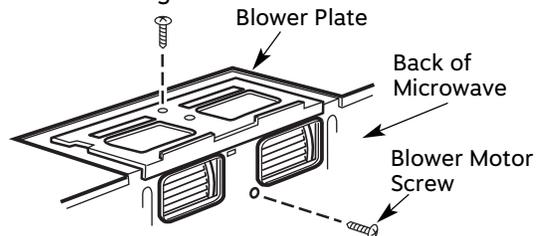
AFTER: Fan Blade Openings Facing Back



CAUTION: Do not pull or stretch the blower unit wiring. Make sure the wires are not pinched, and that they are properly secured.

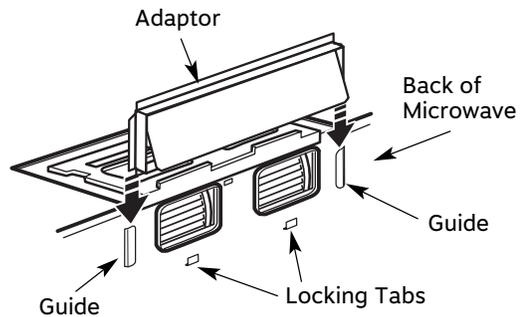
NOTE: The blower unit exhaust openings should match exhaust openings on rear of microwave.

- 9 Secure the blower unit to the microwave with the original screw.



- 10 Replace the blower plate in the same position as before with the screw. Make sure the screw is tight.

- 11 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 microwave.



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

Installation Instructions

B6. MOUNT THE MICROWAVE OVEN



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

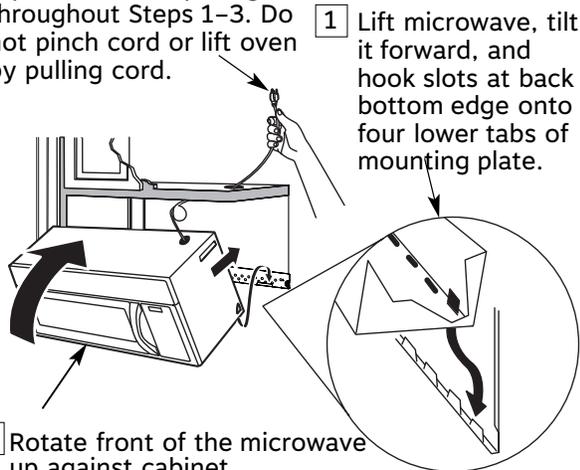
IMPORTANT: Do not grip or use handle during installation.

NOTE: If your cabinet is metal, use the nylon grommet around the power cord hole to prevent cutting of the cord.

NOTE: We recommend using filler blocks if the cabinet front hangs below the cabinet bottom shelf.

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

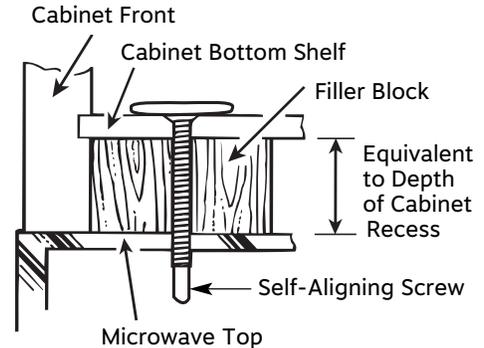
NOTE: When mounting the microwave, thread power cord through hole in bottom of top cabinet. Keep it tight throughout Steps 1-3. Do not pinch cord or lift oven by pulling cord.



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

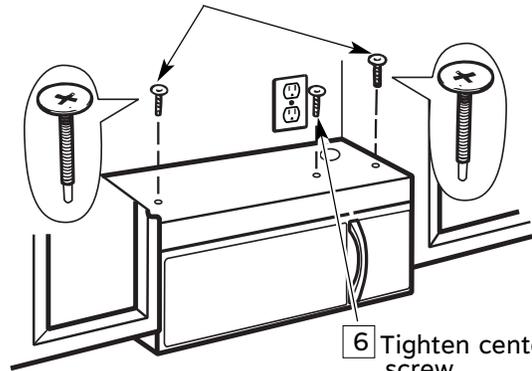
2 Rotate front of the microwave up against cabinet bottom.

3 Insert a self-aligning screw through top center cabinet hole. Temporarily secure the microwave by turning the screw at least two full turns after the threads have engaged. (It will be completely tightened later.) Be sure to keep power cord tight. Be careful not to pinch the cord, especially when mounting flush to bottom of cabinet.



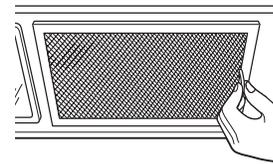
4 Attach the microwave to the top cabinet.

5 Insert 2 self-aligning screws through outer top cabinet holes. Turn two full turns on each screw.



6 Tighten center screw completely.

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



8 Install grease filters. See the Owner's Manual packed with the microwave.

Installation Instructions

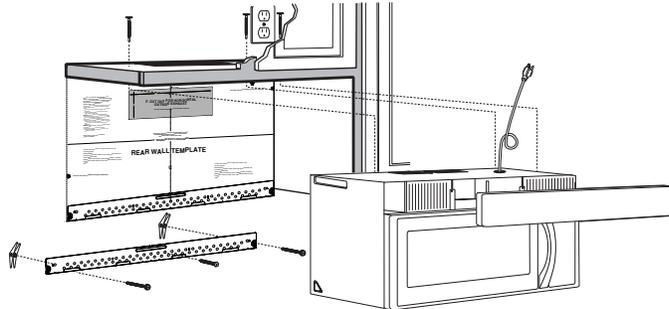
C RECIRCULATING (Non-Vented Ductless)

INSTALLATION OVERVIEW

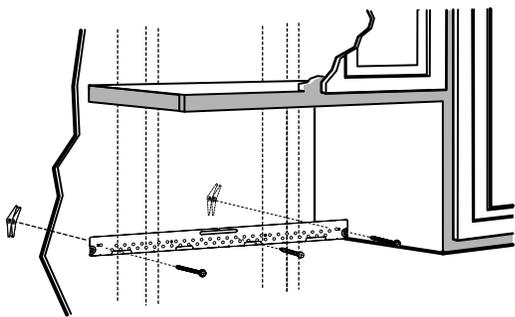
- C1. Attach Mounting Plate to Wall
- C2. Prepare Top Cabinet
- C3. Check Blower Plate
- C4. Mount the Microwave
- C5. Install or change Charcoal Filter

IMPORTANT NOTES:

- Make sure the screws for the blower motor and blower plate are securely tightened when they are reinstalled. This will help to prevent excessive vibration.
- Make sure the motor wiring has been properly routed and secured, and that the wires are not pinched.



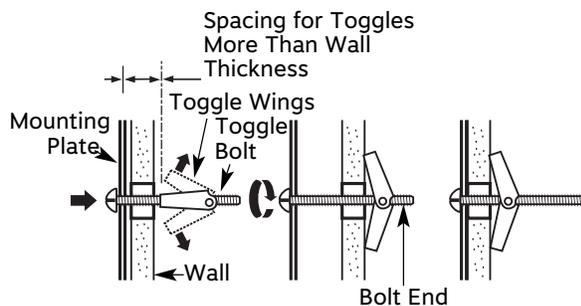
C1. ATTACH THE MOUNTING PLATE TO THE WALL



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 $\frac{3}{4}$ " (19 mm) 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.

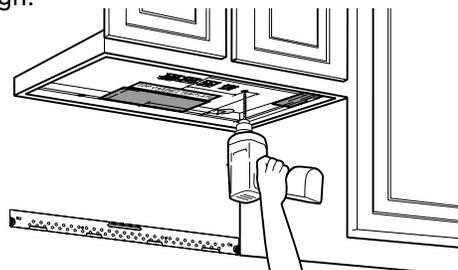
NOTE: Before tightening toggle bolts and wood screw, make sure the tabs on the mounting plate touch the bottom of the cabinet when pushed flush against the wall and that the plate is properly centered under the cabinet.

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.

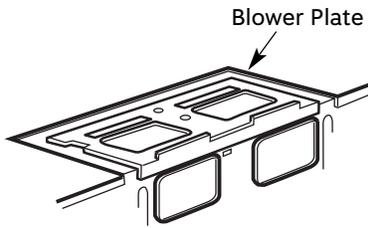


- Read the instructions on the TOP CABINET TEMPLATE.
- Tape it underneath the top cabinet.
- Drill the holes, following the instructions on the TOP CABINET TEMPLATE.

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

Installation Instructions

C3. CHECK BLOWER PLATE



- Place the microwave in its upright position, with the top of the unit facing up.
- Check to see that the blower plate is correctly installed on the unit.

C4. MOUNT THE MICROWAVE OVEN



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

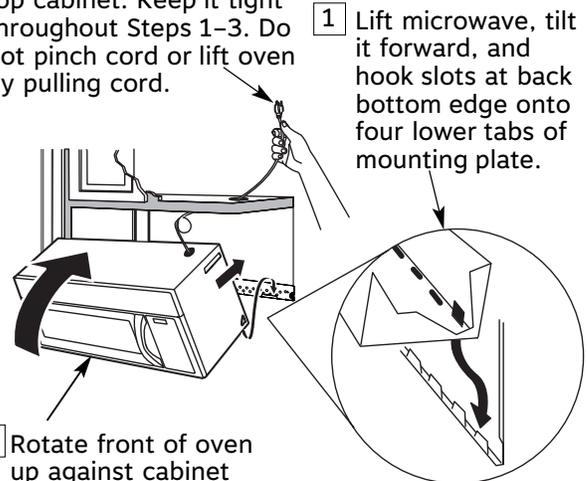
IMPORTANT: Do not grip or use handle during installation.

NOTE: If your cabinet is metal, use the nylon grommet around the power cord hole to prevent cutting of the cord.

NOTE: We recommend using filler blocks if the cabinet front hangs below the cabinet bottom shelf.

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

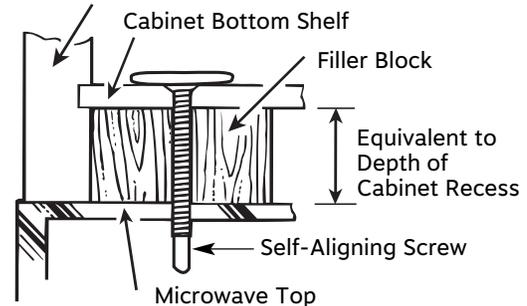
NOTE: When mounting the microwave, thread power cord through hole in bottom of top cabinet. Keep it tight throughout Steps 1-3. Do not pinch cord or lift oven by pulling cord.



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.) Be sure to keep power cord tight. Be careful not to pinch the cord, especially when mounting flush to bottom of cabinet.

Cabinet Front

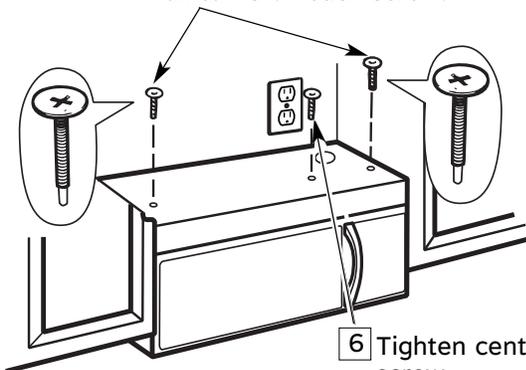


4 Attach the microwave to the top cabinet.

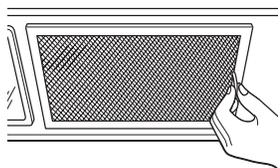
Installation Instructions

C4. MOUNT THE MICROWAVE (cont.)

- 5 Insert 2 self-aligning screws through outer top cabinet holes. Turn two full turns on each screw.



- 6 Tighten center screw completely.
- 7 Tighten the outer two screws to the top of the microwave. (While tightening screws, hold the microwave in place against the wall and the top cabinet.)



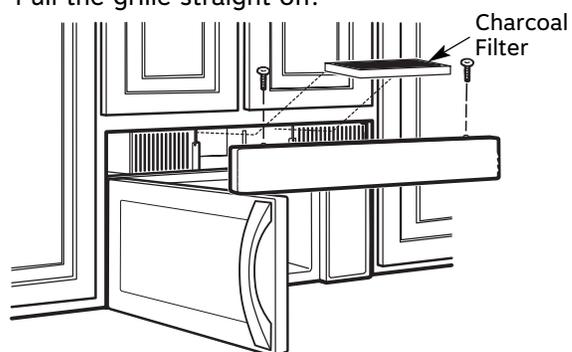
- 8 Install grease filters. See the Owner's Manual packed with the microwave.

C5. INSTALLING OR CHANGE THE CHARCOAL FILTER

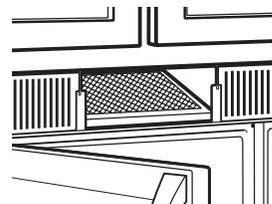
NOTE: The charcoal filter is factory installed in recirculating models. Follow these steps to replace a filter or to install a filter after converting a vented model to recirculating operation.

- 1 Remove screws on top of grille using a #1 Phillips screwdriver.
- 2 Open the door.
- 3 Remove the grille.

Pull the grille straight off.



- 4 Install the charcoal filter: Insert filter upper in the unit and then pull down filter. When properly installed, the wire mesh of the filter should be visible from the front.



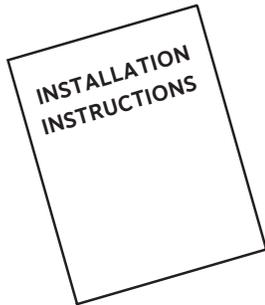
Insert

- 5 Replace the grille and the screws.
- 6 Close the door.

Installation Instructions

BEFORE YOU USE YOUR MICROWAVE

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



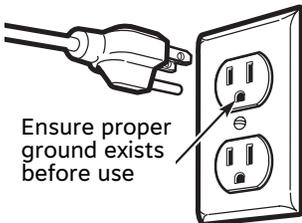
2. Remove all packing material from the microwave.

3. Install turntable ring and glass tray in cavity .

4. Replace house fuse or turn breaker back on.



5. Plug power cord into a dedicated 15- to 20-amp electrical outlet.



Ensure proper ground exists before use

6. Read the USE & CARE Manual.



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



8. FILL OUT PRODUCT REGISTRATION CARD



