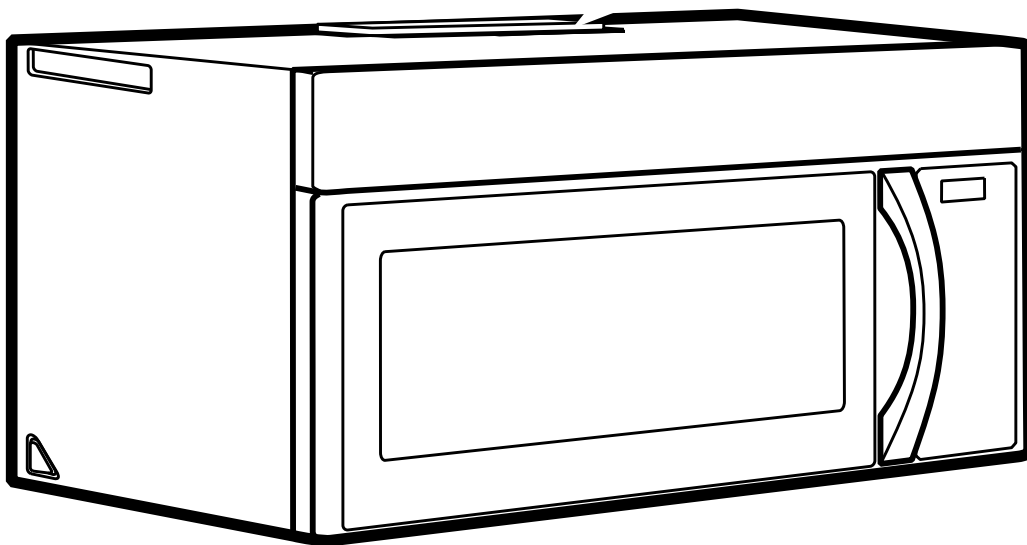


FURRION

1.5 cu. ft. OTR Convection Microwave Oven

Installation Manual

**Model: FMCM15-BL / FMCM15-SS
FMSMA15-BL / FMSMA15-SS
FMCM15-BL-A / FMCM15-SS-A**



* Picture shown here is for reference only.



[https://furrion.com/
collections/cooking](https://furrion.com/collections/cooking)

- * To view the multi-language user manual, please access the link or scan the QR code.
- * Pour obtenir le manuel d'utilisateur multilingue, accédez au lien ou scannez le QR code.
- * Para ver el manual de usuario en otros idiomas, acceda al siguiente enlace o escanee el código QR.

Table of Contents

Table of Contents	1
Explanation of Symbols	2
Important Safety Instructions	2
Before You Begin	2
Important Safety Instructions	2
Electrical Requirements	2
Shipment/Installation	3
Before Using	3
Parts Included	3
Tools You Will Need.....	3
Installation	4
Mounting Space	4
Placement of the Mounting Plate	4
Hood Exhaust.....	6
Installation Types (Choose A, B or C)	7
A. Recirculating (Non-Vented Ductless) Default (Fig. 10)	7
B. Outside Top Exhaust (Vertical Duct) (Fig. 19)	9
C. Outside Back Exhaust (Horizontal Duct) (Fig. 36)	12

Explanation of Symbols

This manual has safety information and instructions to help you eliminate or reduce the risk of accidents and injuries. Always respect all safety warnings identified with these symbols. A signal word will identify safety messages and property damage messages, and will indicate the degree or level of hazard seriousness.

⚠ WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate personal injury, or property damage.

⚠ DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

Important Safety Instructions

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.

Important Safety Instructions

IMPORTANT – Please read carefully. For personal safety, this appliance must be properly grounded to avoid severe or fatal shock.

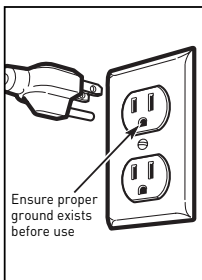
This product requires a three-prong, properly grounded outlet for safe operation. If not properly grounded, or if the outlet box does not meet electrical requirements noted (under **Electrical Requirements**), a qualified electrician should be employed to correct any deficiencies.

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.

If a long cord or extension cord is used:

- a) The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
- b) The extension cord must be a grounding-type 3-wire cord, and the longer cord should be arranged so that it will not drape over the counter top or table top where it can be pulled on by children or tripped over unintentionally.

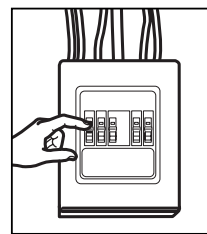
NOTE: For easier installation and personal safety, it is recommended that two people install this product.

⚠ WARNING

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

For personal safety, the mounting surface must be capable of supporting the cabinet load, in addition to the added weight of this 50-70 pounds (22.6-31.7 kilograms) product, plus additional oven loads of up to 50 pounds (22.6 kilograms) for a total weight of 100-120 pounds (45.2-54.3 kilograms).

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.



Electrical Requirements

The product rating of your microwave is 120VAC / 60Hz / 15A max / 1500W. 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 ampere branch circuit single grounded outlet. The outlet box should be located in the cabinet above the microwave oven. The outlet box and supply circuit should be installed by a qualified electrician and conform to the National Electrical Code or the prevailing local code.

Shipment/Installation

⚠ DAMAGE

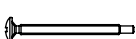
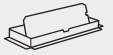
- **If the unit is damaged in shipment**, return the unit to the store in which it was bought for repair or replacement.
- **If the unit is damaged by the customer**, repair or replacement is the responsibility of the customer.
- **If the unit is damaged by the installer** (if other than the customer),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

Save these instructions for future reference

Before Using

1. Make sure the microwave oven has been installed according to instructions.
2. Remove all packing material from the microwave oven.
3. Install turntable and ring in cavity.
4. Replace house fuse or turn breaker back on. (Fig. A)
5. Plug power cord into a dedicated 15 amp electrical outlet. (Fig. B)
6. Read the User Manual.
7. Keep installation manual for the local inspector's use.

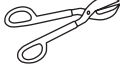
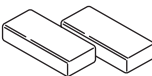
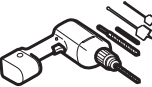
Parts Included

Part	Description	Quantity
	Wood Screws (1/4" x 2")	2
	Wing Nut (match with 3/16" machine screws)	2
	Self-Aligning Machine Screws (1/4"-20 x 3")	2
	Nylon Grommet (for metal cabinets)	1
	Machine Screws (3/16" x 3")	2
	Top Cabinet Template	1
	Rear Wall Template	1
	Installation Manual	1
	Separately Packed Grease Filters	2
	Exhaust adapter	1
	Mounting-Plate	1
	Sheet Metal Screw (3/16" x 5/16")	2
	Washer (match with 1/4" self-aligning machine screws)	2

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

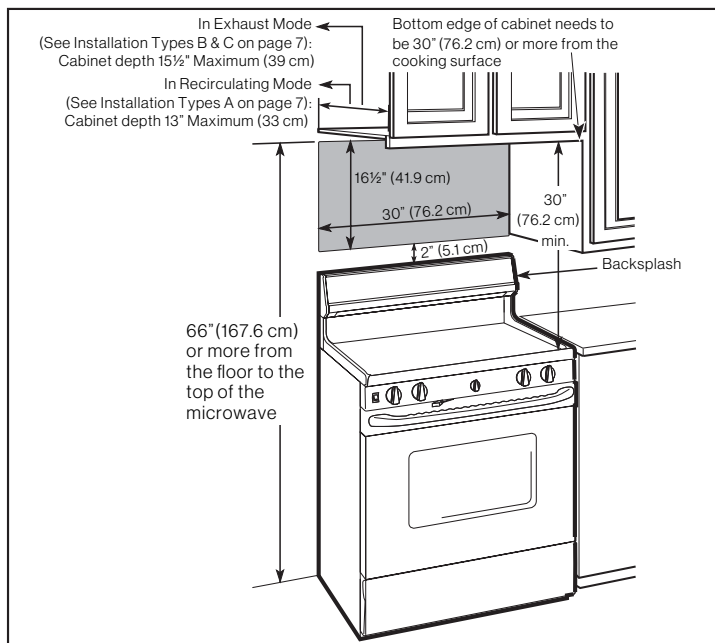
NOTE: Some extra parts are included.

Tools You Will Need

Part	Description
	Level
	Duct and masking tape
	# 1 and #2 Phillips screwdriver
	Pencil
	Tin snips (for cutting damper, if required)
	Scissors (to cut template, if necessary)
	Filler blocks or scrap wood pieces, if needed for top cabinet spacing (used on recessed bottom cabinet installations only)
	Gloves
	Safety goggles
	Stud finder or Hammer (optional)
	Carpenter square (optional)
	Ruler or tape measure and straight edge
	Electric drill with 3/16", 1/2" and 5/8" drill bits
	Saw (saber, hole or keyhole)

Installation

Mounting Space



NOTE:

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

Placement of the Mounting Plate

Removing the Microwave Oven From the Carton / Removing the Mounting Plate

1. Open the carton and remove the upper foam from the box, but remember to keep the accessories.
2. Pull the oven out of the carton and remove the plastic bag carefully.
3. Take the mounting plate out from the upper foam. (Fig. 1)

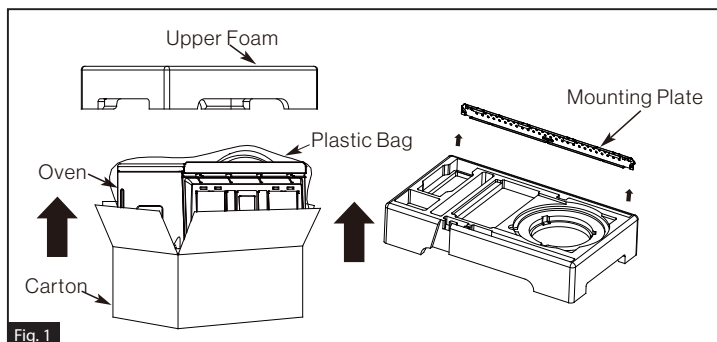


Fig. 1

Finding the Wall Studs

1. Find the studs, using one of the following methods:
 - A.** Wall stud finder – identifies the location of the vertical wall studs.

NOTE: It can find nails but the primary function is to locate the stud.
 - (OR)**
 - B.** Use a hammer to tap lightly across the mounting surface to find a solid sound. This will indicate a wall 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. (Fig. 2)
- NOTE:** The microwave must be connected to at least one wall stud.

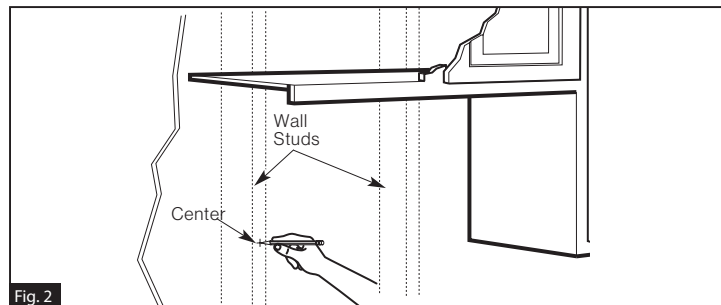


Fig. 2

Determining Top Line of Rear Wall Template Location Under Your Cabinet

The bottom of the cabinet have three types:

1. Beneath flat bottom cabinet. (Fig. 3)

TOP LINE OF REAR WALL TEMPLATE must align with cabinet bottom.

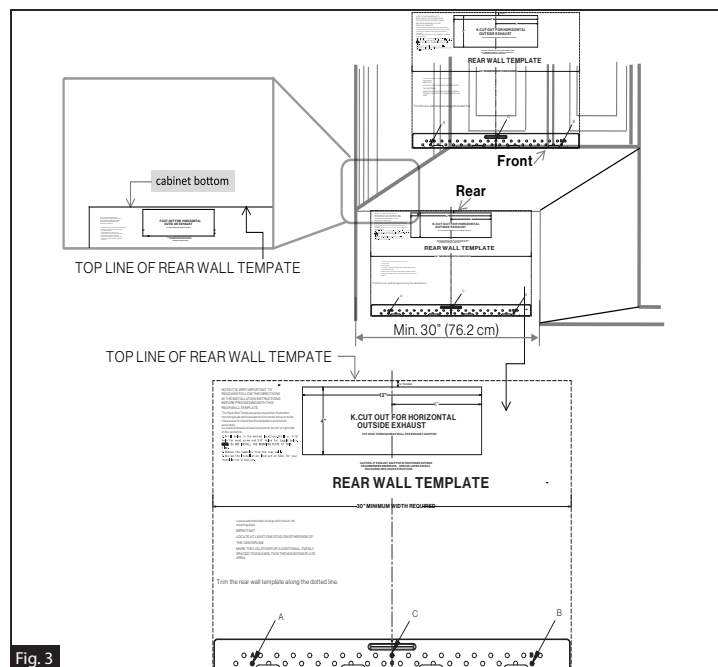


Fig. 3

2. Beneath framed recessed cabinet (Fig. 4)

TOP LINE OF REAR WALL TEMPLATE must align with the back frame of cabinet bottom.

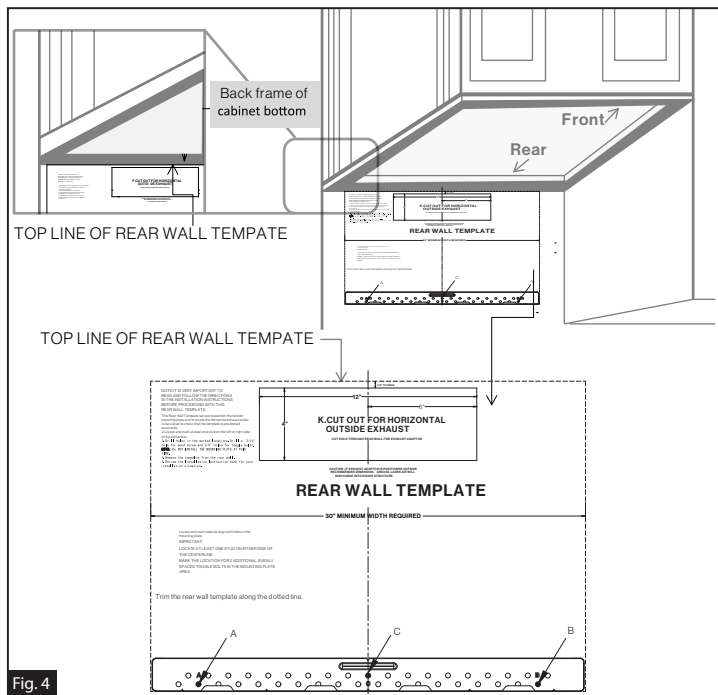


Fig. 4

3. Beneath framed recessed bottom cabinet with front overhang (Fig. 5)

TOP LINE OF REAR WALL TEMPLATE must align with below cabinet bottom the same distance as the front overhang of cabinet bottom.

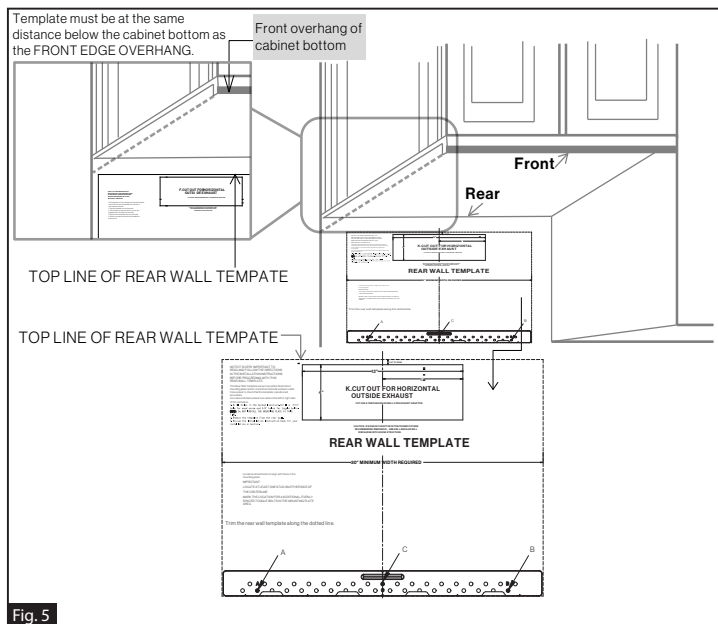


Fig. 5

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.

Microwave Leveling

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, top line of rear wall template must align with below cabinet bottom, 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 top line of rear wall template with this horizontal line, not touching the cabinet bottom as described in "Aligning Top Line of Rear Wall Template follows".

Aligning Top Line of Rear Wall Template (Fig. 6)

⚠ CAUTION

Wear gloves to avoid cutting fingers on sharp edges.

1. Using a tape measure, draw a vertical line on the wall at the center of the 30" (76.2cm) wide space.
2. Tape the rear wall template on the cabinet wall, align the center markers on the rear wall template to the centerline on wall, making sure it is level and that the top line of the rear wall template is butted up against the bottom edge of the upper cabinet.
3. According to the shape of cabinet, the location of the wall template is compliant with the content part of "Determining top line of rear wall template location under your cabinet".
4. While taping the rear wall template on the wall draw circles on the wall at hole A,B,C (See Fig. 6 / actual plate marked with arrows). THREE HOLES MUST BE USED FOR MOUNTING. (If there are 2-wall studs in right and left side based on center line Four hole must be used for mounting)
5. Remove the rear wall template and check the marking based on the actual mount plate (centerline, hole A,B,C).
6. Drill holes on the circle marks (A, B, C). Drill a $\frac{3}{16}$ " hole at C for wood screw and two $\frac{5}{8}$ " holes at A, B for toggle bolts.

NOTE: DO NOT MOUNT THE PLATE AT THIS TIME.

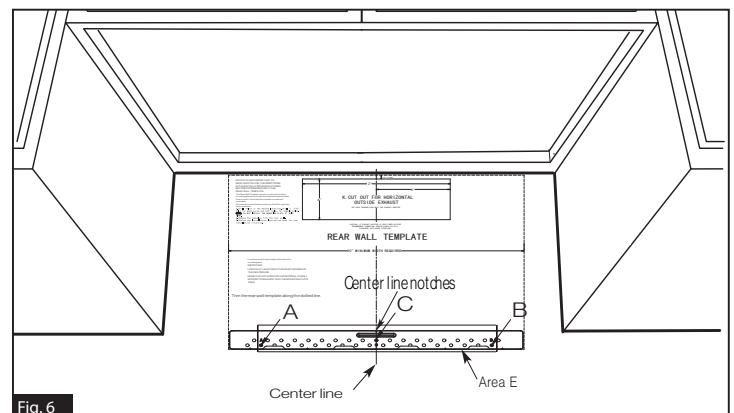


Fig. 6

Hood Exhaust

NOTE: If you need to install ducting, note that the total duct length of 3¼" x 10" (8.2 x 25.4cm) rectangular or 6" (15.2cm) diameter round duct **should not exceed 120 equivalent feet (36.5m)**. 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 outlet or dampers.

Exhaust Connection

The exhaust adapter has been designed to mate with a standard 3¼" x 10" (8.2 x 25.4cm) rectangular duct. If a round duct is required, a rectangular-to-round transiting adapter 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" (8.2 x 25.4 cm) rectangular or 6" (15.2 cm) diameter round duct should not exceed **120 equivalent feet (36.5m)**.

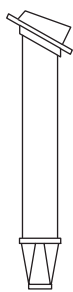
Elbows, transitions, wall and roof caps, etc., present additional resistance to airflow and are equivalent to a section of straight duct which is longer than their actual physical size. When calculating the total duct length, add the equivalent lengths of all transitions and adapters plus the length 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.

Part	Description	Equivalent Length x Number Used =		Equivalent Duct Pieces
	Rectangular-to-Round Transition Adapter*	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 3¼" 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 adapter is used, the bottom corners of the damper will have to be cut to fit using 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.

Outside Top Exhaust (Example Only)

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

Duct Pieces	Description	Equivalent Length x Number Used =	Equivalent Duct Pieces	Remarks
	Roof Cap	24 Ft. (7.3m) x (1) =	24 Ft. (7.3m)	
	12 Ft. (3.6m) Straight Duct (6"/15.2cm Round)	12 Ft. (3.7m) x (1) =	12 Ft. (3.7m)	
	Rectangular-to-Round Transition Adapter*	5 Ft. (1.5m) x (1) =	5 Ft. (1.5m)	
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance.			41 Ft. (12.5 m)	
Total Length =				

Outside Back Exhaust (Example Only)

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

Duct Pieces	Description	Equivalent Length x Number Used =	Equivalent Duct Pieces	Remarks
	Wall Cap	40 Ft. (12.2m) x (1) =	40 Ft. (12.2m)	
	3 Ft. Straight Duct (3¼" x 10"/8.2 x 25.4cm Rectangular)	3 Ft. (0.9m) x (1) =	3 Ft. (0.9m)	
	90° Elbow	10 Ft. (3m) x (2) =	20 Ft. (6.1m)	
Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance.			63 Ft. (19.2m)	
Total Length =				

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 Types (Choose A, B or C)

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

NOTE: This microwave is shipped assembled for recirculating.

A. Recirculating (Non-Vented Ductless) (Fig. 7)

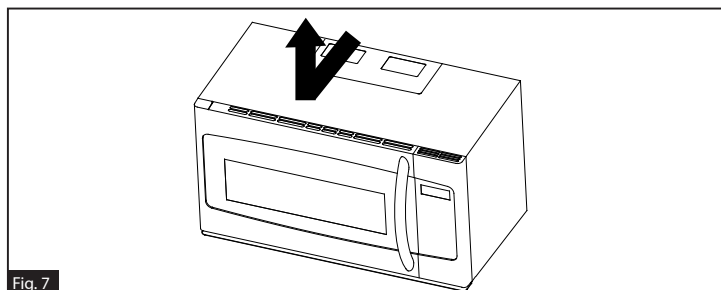


Fig. 7

B. Outside Top Exhaust (Vertical Duct) (Fig. 8)

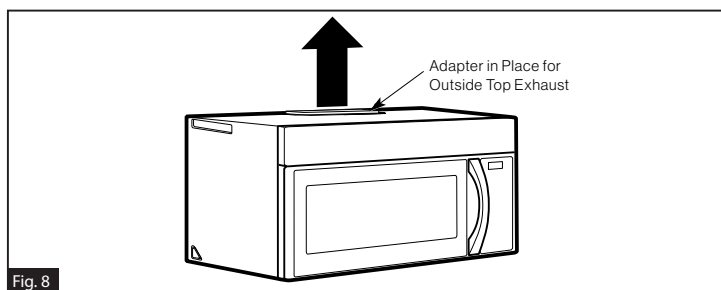


Fig. 8

C. Outside Back Exhaust (Horizontal Duct) (Fig. 9)

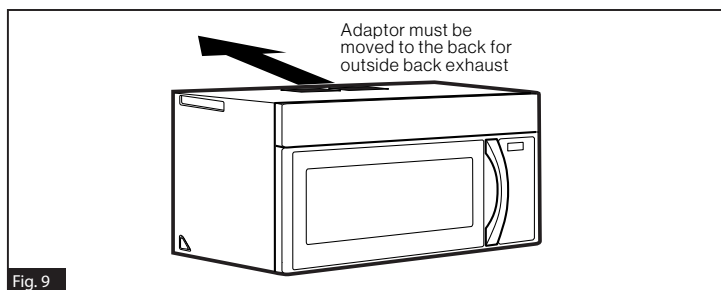


Fig. 9

A. Recirculating

(Non-Vented Ductless) Default (Fig. 10)

Installation Overview

NOTE: Cabinet depth maximum in recirculation mode is 13" (33 cm).

1. Attach the mounting plate to the wall.
2. Use top cabinet template for preparation of top cabinet.
3. Adapting blower for recirculation.
4. Mount the microwave oven.
5. Change the charcoal filter.

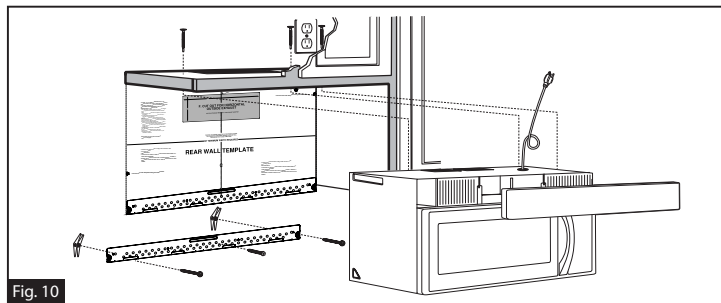


Fig. 10

Attach The Mounting Plate to the Wall

Attach the mounting plate to the wall using the wing nuts and machine screws ($\frac{3}{16}$ " x 3"). At least one wood screw must be used to attach the mounting plate to a wall stud.

1. Insert the machine screws ($\frac{3}{16}$ " x 3") into the mounting plate through the holes designed to go into drywall and attach the toggle wings to $\frac{3}{4}$ " onto each machine screw ($\frac{3}{16}$ " x 3"). (Fig. 11)

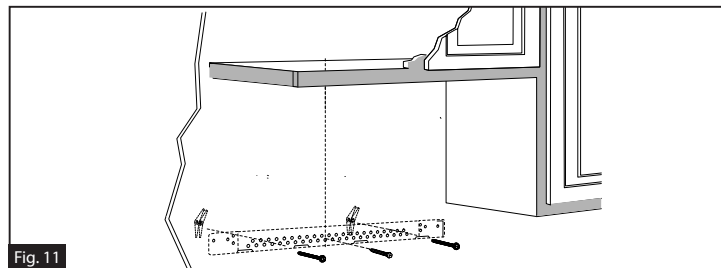


Fig. 11

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

CAUTION

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

3. Tighten all bolts. Pull the plate away from the wall to help tighten the bolts. (Fig. 12)

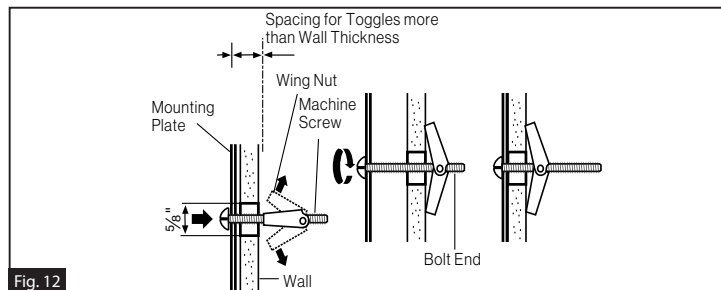


Fig. 12

Use Top Cabinet Template for Preparation of Top Cabinet

NOTE: Cabinet depth maximum in recirculation mode is 13" (33 cm).

You need to drill holes for the top support screws and a hole large enough for the power cord to fit through. (Fig 13)

1. Read the instructions on the **TOP CABINET TEMPLATE**.
2. Tape it underneath the top cabinet bottom.
3. Drill the mounting screw holes, the power plug clearance hole, and the exhaust ducting cutout.

CAUTION

Wear safety goggles when drilling holes in the cabinet bottom.

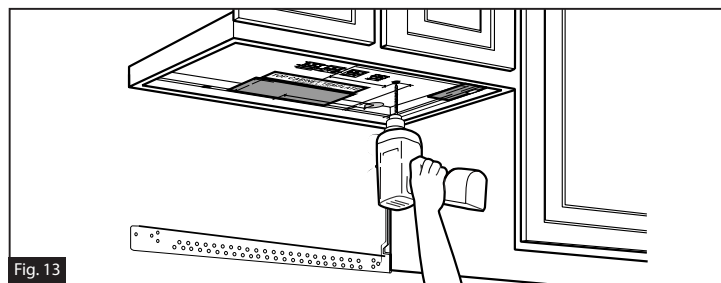


Fig. 13

Mount the Microwave Oven (Fig. 14)

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

IMPORTANT:

Do not grip or use door handle during installation.

If filler blocks are not used, case damage may occur from over tightening screws.

NOTE:

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

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

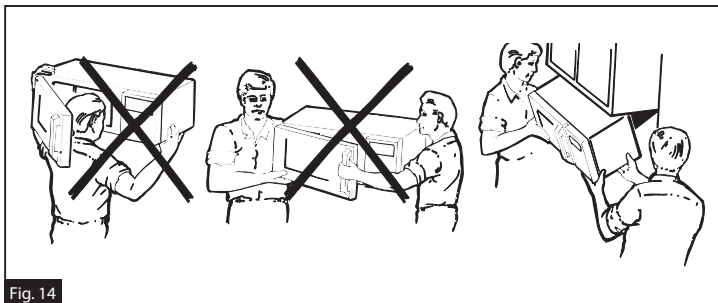


Fig. 14

1. Lift microwave, tilt it forward, and hook slots at back bottom edge onto four lower tabs of mounting plate. Rotate front of oven up against cabinet bottom. (Fig. 34)

NOTE: When mounting the microwave oven, thread the power cord through the hole in bottom of top cabinet. Keep it tight throughout Steps 1–3. Do not pinch cord or lift oven by pulling cord. (Fig. 15)

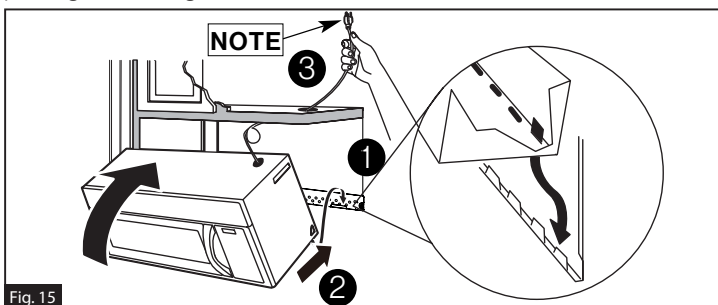


Fig. 15

2. Insert 2 self-aligning machine screws ($\frac{1}{4}$ "-20 x 3") through outer top cabinet holes. 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 the bottom of cabinet. (Fig. 16)

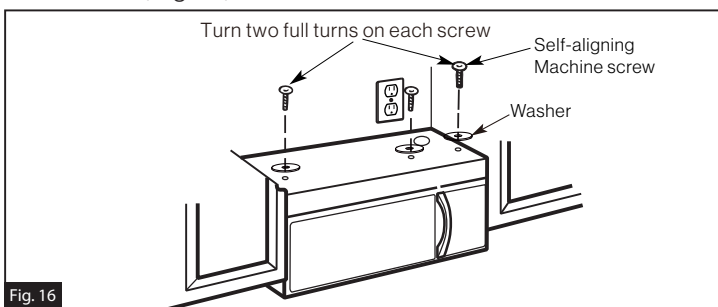


Fig. 16

3. The Filler Block is only used for recessed cabinet and front overhang cabinet (see the type of the cabinet on page 4 and page 5), you should place the Filler Block to the cabinet bottom before installing the oven. (Fig. 17)

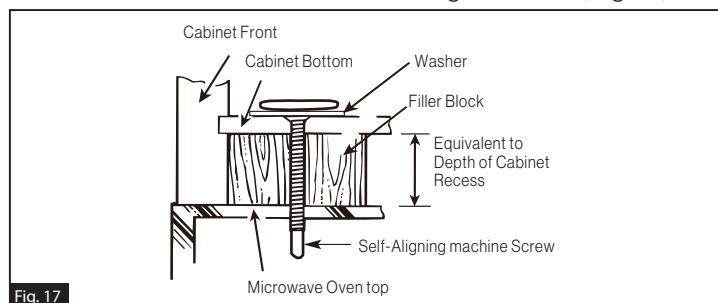


Fig. 17

4. Tighten the outer two screws to the top of the microwave oven. (During tightening screws, hold the microwave oven in place against the wall and the top cabinet.)
5. Install the grease filters. See the User Manual packed with the microwave. (Fig. 18)

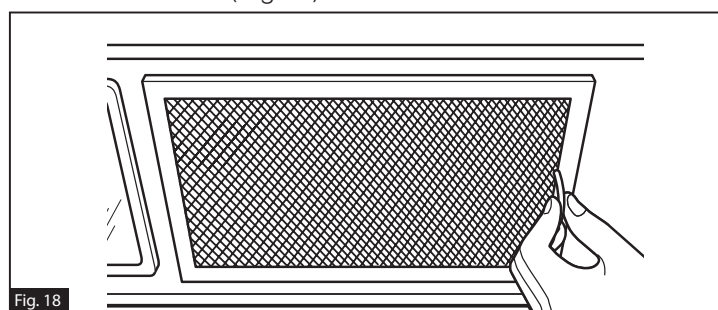


Fig. 18

6. Filters should be cleaned at least once a month. Soak the filter in a sink or dish pan filled with hot water and detergent. DO NOT use ammonia or other alkali; they will react with the filter material and darken it. Agitate and scrub with a brush to remove embedded dirt. Rinse thoroughly and shake dry. Replace by fitting the filter back into the opening.

Change the Charcoal Filter

See the User Manual packed with the microwave.

B. Outside Top Exhaust

(Vertical Duct) (Fig. 19)

Installation Overview

NOTE: Cabinet depth maximum in exhaust mode is 15½" (39 cm).

1. Attach the mounting plate to the wall.
2. Use top cabinet template for preparation of top cabinet.
3. Adapting Blower for Outside Top Exhaust (Vertical Duct).
4. Check for proper damper operation.
5. Mount the microwave oven.
6. Adjust the exhaust adapter.
7. Connecting ductwork.

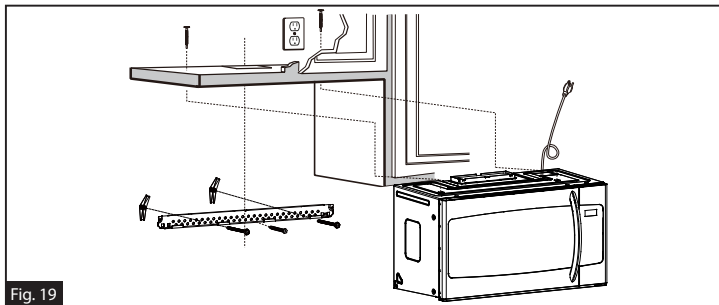


Fig. 19

Attach the Mounting Plate to the Wall

Attach the mounting plate to the wall using the wing nuts and machine screws (3/16" x 3"). At least one wood screw must be used to attach the mounting plate to a wall stud.

1. Insert the machine screws (3/16" x 3") into the mounting plate through the holes designed to go into drywall and attach the toggle wings to 3/4" onto each machine screw (3/16" x 3"). (Fig. 20)

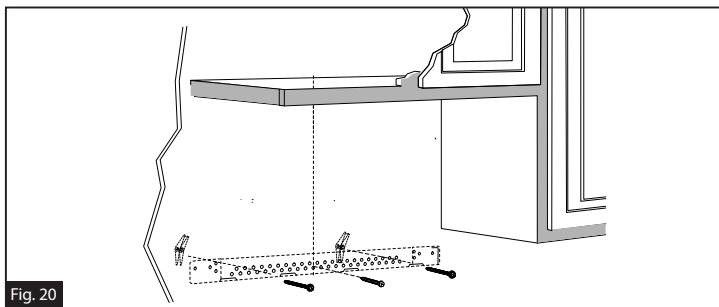


Fig. 20

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

⚠ CAUTION

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

3. Tighten all bolts. Pull the plate away from the wall to help tighten the bolts. (Fig. 21)

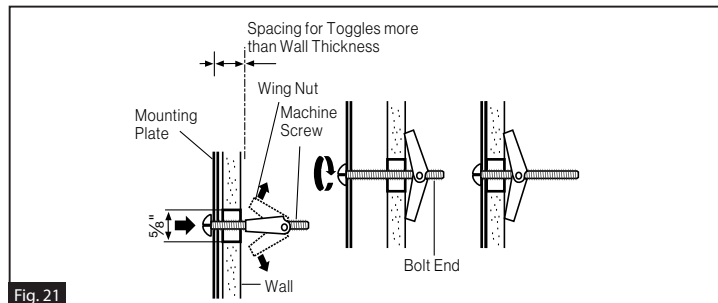


Fig. 21

Use Top Cabinet Template for Preparation of Top Cabinet

NOTE: Cabinet depth maximum in exhaust mode is 15½" (39 cm).

You need to drill holes for the top support screws and a hole large enough for the power cord to fit through. (Fig 22)

1. Read the instructions on the **TOP CABINET TEMPLATE**.
2. Tape it underneath the top cabinet bottom.
3. Drill the mounting screw holes, the power plug clearance hole, and the exhaust ducting cutout.

⚠ CAUTION

Wear safety goggles when drilling holes in the cabinet bottom.

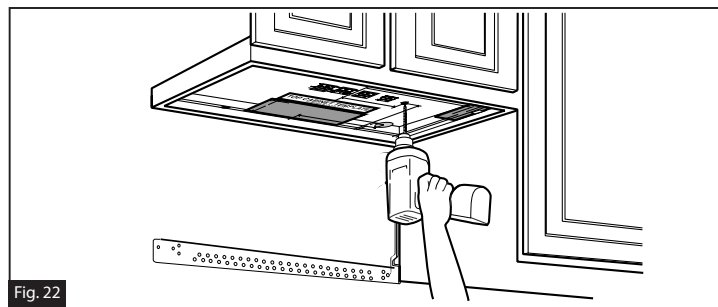


Fig. 22

Adapting Blower for Outside Top Exhaust (Vertical Duct)

1. Remove and save screws that holds blower motor to microwave and lift up on the blower plate. (Fig. 23)

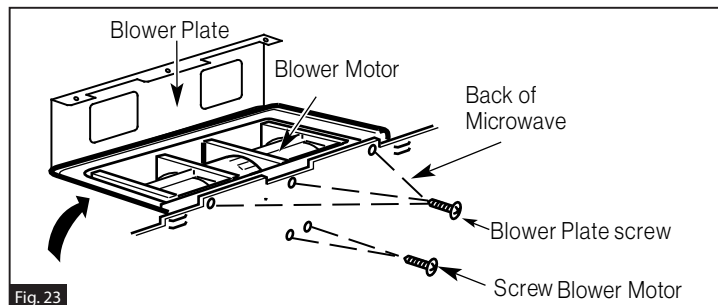
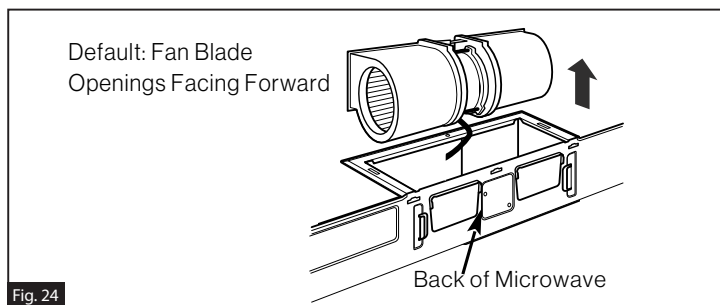


Fig. 23

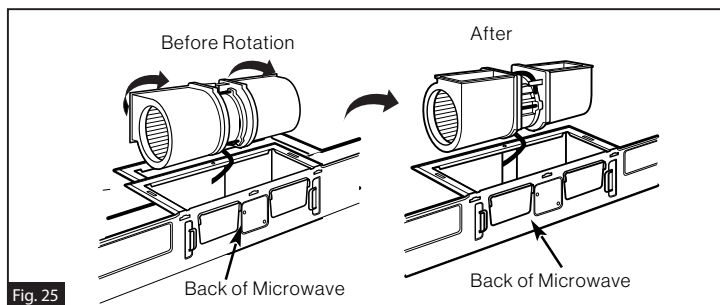
- Carefully pull out the blower unit. The wires will extend far enough to allow you to adjust the blower unit. (Fig. 24)



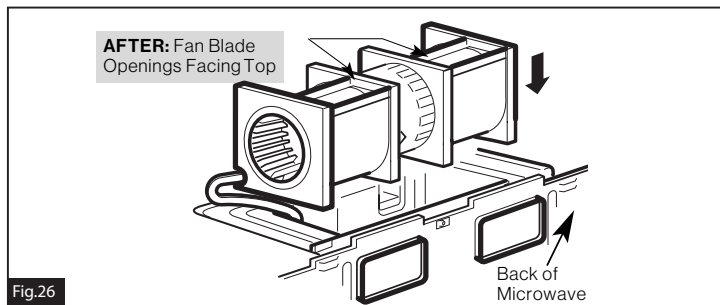
- Rotate the blower unit counterclockwise 90° into the opening as shown in Fig 25 with the blower openings facing upward.
NOTE: The blower unit exhaust openings should match exhaust openings on upper of microwave oven.

⚠ CAUTION

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

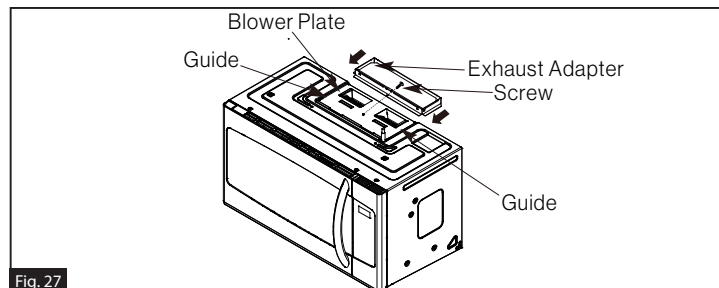


- Replace the blower plate in the same position. (Fig 26)

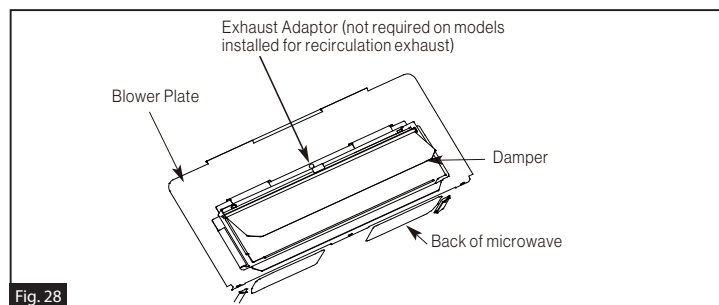


Check for Proper Damper Operation

- Place the microwave in its upright position, with the top of the unit facing up.
- The exhaust adapter is only used for top exhaust and outside rear exhaust. It is not required on models installed in recirculation exhaust mode.
- Make sure the tape securing the damper flap is removed and the damper flap pivots easily before mounting the microwave.
- Attach the exhaust adapter to the blower plate by sliding it into the guides on top of the microwave. Secure the adapter with one Sheet Metal Screw provided. (Fig. 27)



- You need to fix your house exhaust onto the damper, sealing it after the microwave is installed. (Fig. 28)



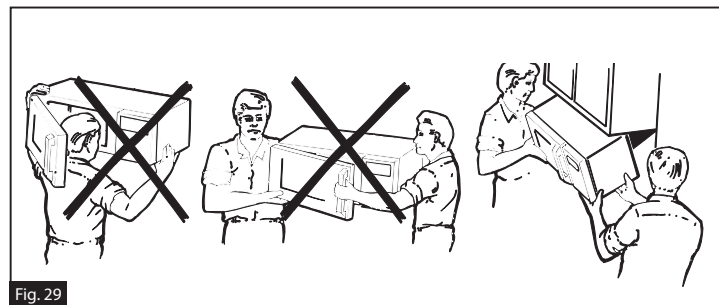
Mount the Microwave Oven

For easier installation and personal safety, we recommend that two people install this microwave oven. (Fig. 29)

IMPORTANT: Do not grip or use door handle during installation. If the filler blocks are not used, case damage may occur from over tightening screws.

NOTE:

If your cabinet is metal, use the nylon grommet around the power cord hole to prevent cutting of the cord. We recommend using filler blocks if the cabinet front hangs below the cabinet bottom shelf.



1. Lift microwave, tilt it forward, and hook slots at back bottom edge onto four lower tabs of mounting plate. Rotate front of oven up against cabinet bottom. (Fig. 30)

NOTE: When mounting the microwave oven, thread the power cord through the hole in bottom of top cabinet. Keep it tight throughout Steps 1–3. Do not pinch cord or lift oven by pulling cord. (Fig. 30)

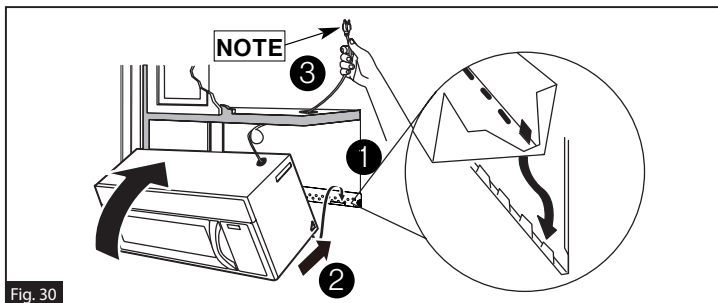


Fig. 30

2. Insert 2 self-aligning machine screws ($\frac{1}{4}$ "-20 x 3") through outer top cabinet holes. 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 the bottom of cabinet. (Fig. 31)

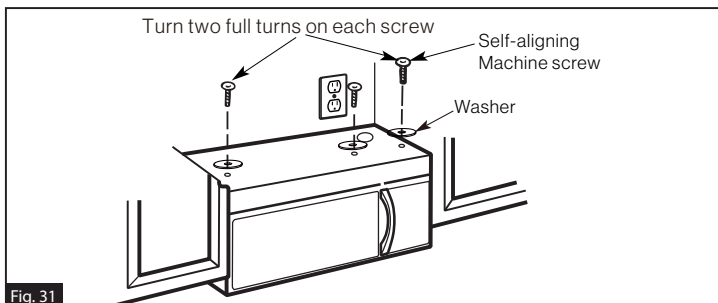


Fig. 31

3. The Filler Block is only used for recessed cabinet and front overhang cabinet (see the type of the cabinet on page 4 & 5). you should place the Filler Block to the cabinet bottom before installing the oven. (Fig. 32)

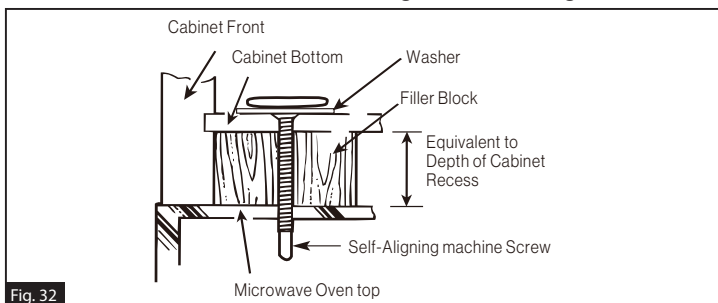


Fig. 32

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

5. Install the grease filters. (Fig. 33)

Filters should be cleaned at least once a month. Never operate the vent fan or oven without the filters in place. Pull down slightly on the tab toward the front of the oven and remove the filter. Repeat for the other filter. Soak the filter in a sink or dish pan filled with hot water and detergent. DO NOT use ammonia or other alkali; they will react with the filter material and darken it. Agitate and scrub with a brush to remove embedded dirt. Rinse thoroughly and shake dry. Replace by fitting the filter back into the opening.

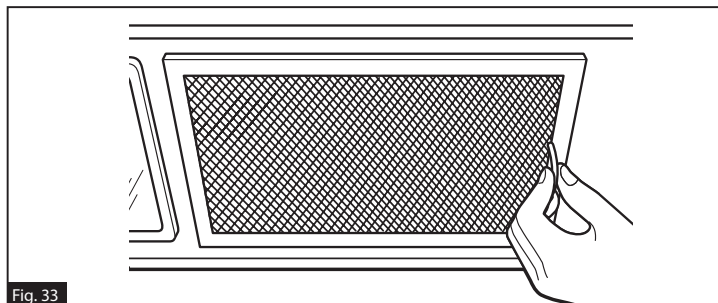


Fig. 33

Adjust The Exhaust Adapter

Open the top cabinet and adjust the exhaust adapter to connect to the house duct. (Fig. 34)

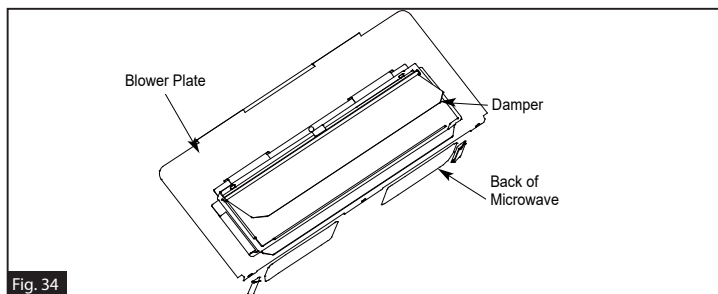


Fig. 34

Connecting Ductwork

1. Extend the house duct down to connect to the exhaust adapter.
2. Seal exhaust duct joints using duct tape. (Fig. 35)

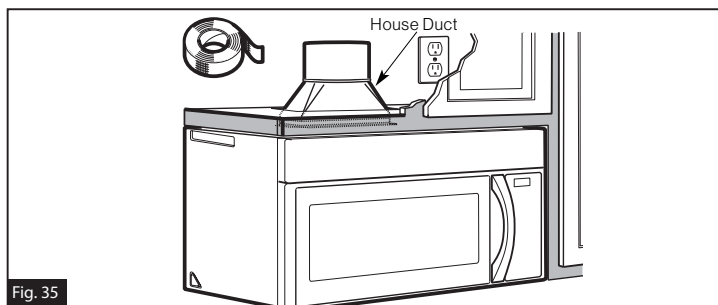


Fig. 35

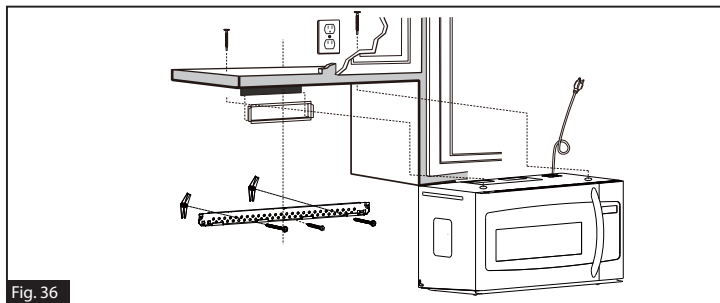
C. Outside Back Exhaust

(Horizontal Duct) (Fig. 36)

Installation Overview

NOTE: Cabinet depth maximum in exhaust mode is 15½" (39 cm).

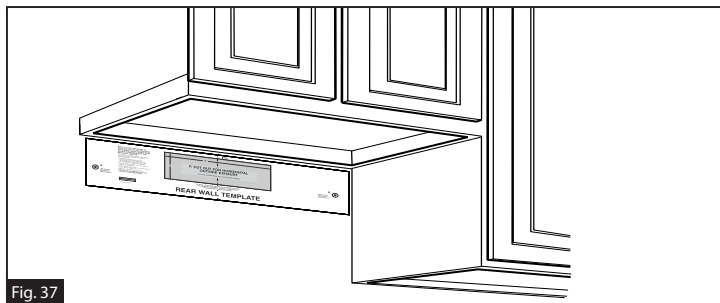
1. Preparing the rear wall template for outside back exhaust.
2. Attach the mounting plate to the wall.
3. Use top cabinet template for preparation of top cabinet.
4. Adapting microwave blower for outside back exhaust.
5. Mount the microwave oven.



Preparing The Rear Wall Template For Outside Back Exhaust (Fig. 37)

NOTE: Cabinet depth maximum in exhaust mode is 15½" (39 cm). You need to cut an opening (4" x 12" square hole) in the rear wall template for outside exhaust.

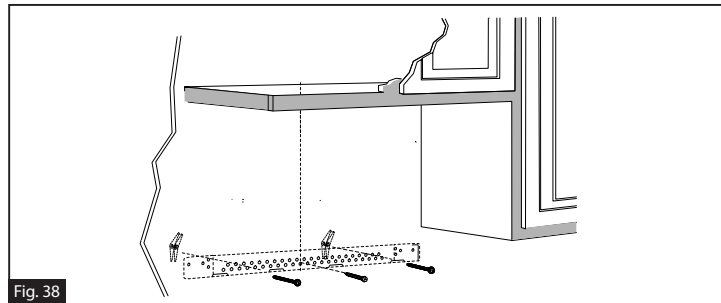
1. Read the instructions on the **REAR WALL TEMPLATE**.
2. Tape it to the rear wall, lining up with the holes previously drilled for holes A and B in the wall plate.
3. Cut the opening, following the instructions of the **REAR WALL TEMPLATE**.



Attach The Mounting Plate To The Wall

Attach the mounting plate to the wall using the wing nuts and machine screws (⅜" x 3"). At least one wood screw must be used to attach the mounting plate to a wall stud.

1. Insert the machine screws (⅜" x 3") into the mounting plate through the holes designed to go into drywall and attach the toggle wings to ¾" onto each machine screw (⅜" x 3"). (Fig. 38)

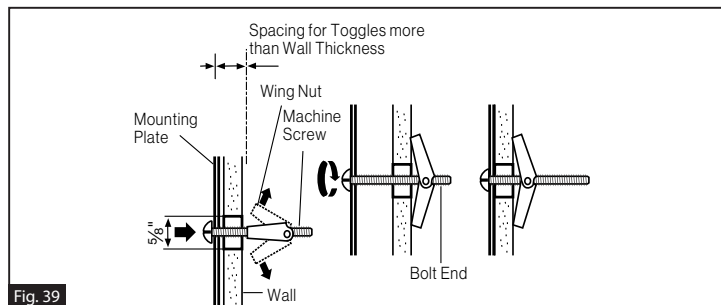


2. Place the mounting plate against the wall and insert the toggle wings into the holes in the wall to mount the plate.

⚠ CAUTION

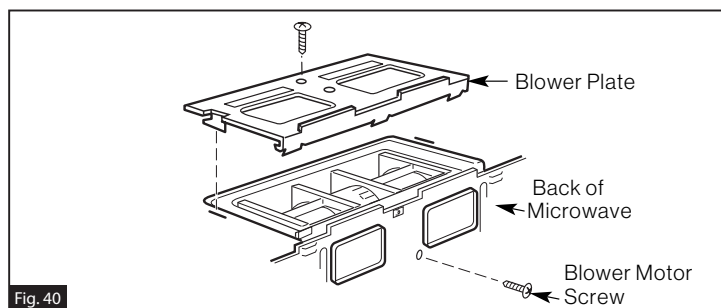
Be careful to avoid pinching fingers between the back of the mounting plate and the wall.

3. Tighten all bolts. Pull the plate away from the wall to help tighten the bolts. (Fig. 39)

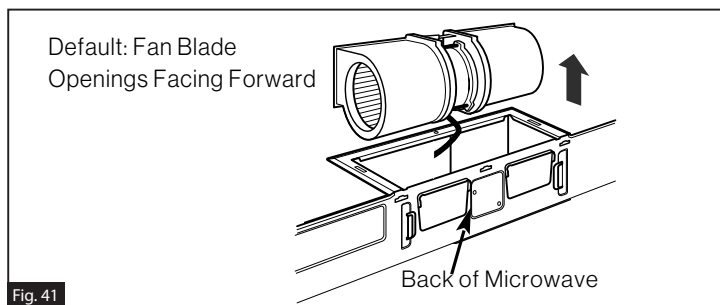


Adapting Microwave Blower for Outside Back Exhaust

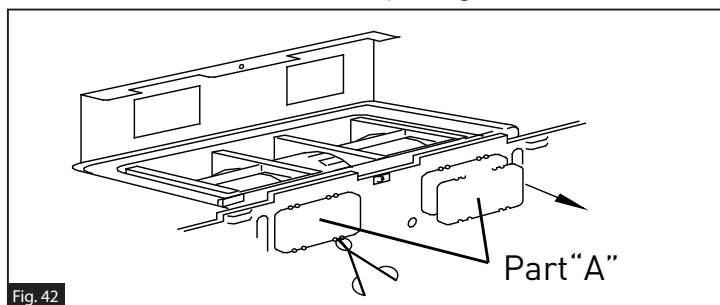
1. Remove and save screws that holds blower motor to microwave and lift up on the blower plate. (Fig. 40)



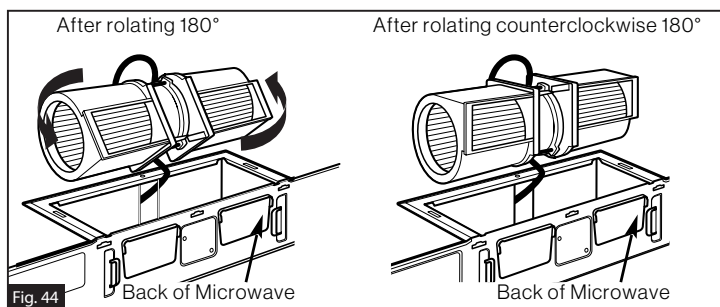
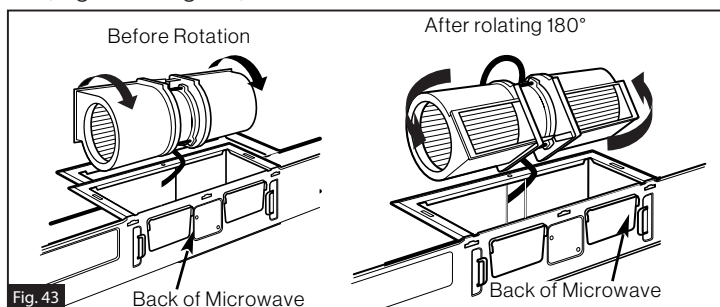
- Carefully pull out the blower unit. The wires will extend far enough to allow you to adjust the blower unit. (Fig. 41)



- Remove "Parts A" with Tin snips. (Fig. 42)

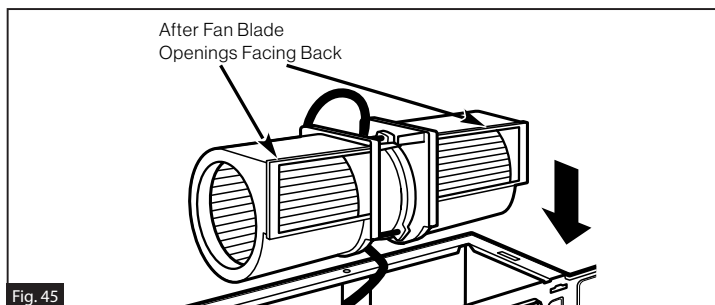


- Rotate blower unit counterclockwise 180°. (Fig. 43 & Fig. 44)

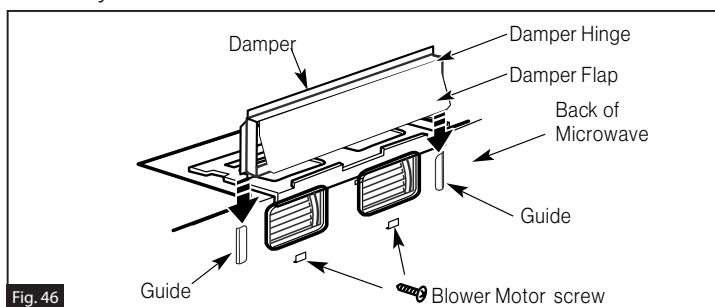


- Place the blower unit back into the opening. (Fig. 45)
NOTE: The blower unit exhaust openings should match exhaust openings on rear of microwave oven.

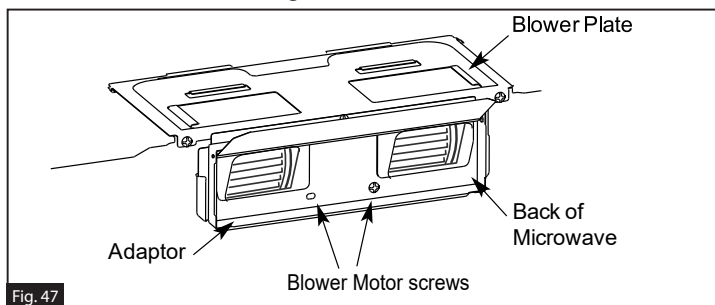
CAUTION
Do not pull or stretch the blower unit wiring. Make sure the wires are not pinched.



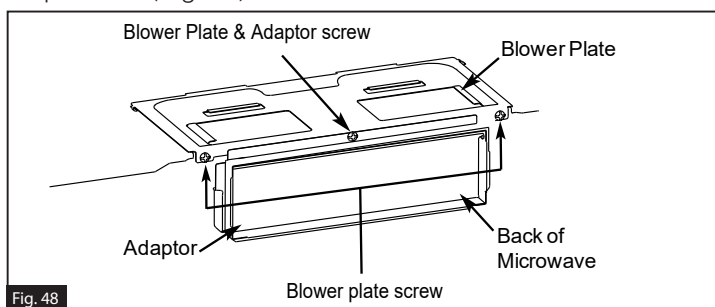
- Replace the blower plate in the same position.
- Attach the exhaust adapter to the rear of the oven by sliding it into the guides at the top center of the back of the oven. (Fig. 46)
NOTE: Push in securely until it is in the lower Blower Motor screw. Take care to assure that the damper hinge is installed so that it is at the top and that the damper swings freely.



- Secure the blower motor unit to the microwave with screws as before. (Fig. 47)



- Secure the blower plate to the microwave with 3 screws previously removed. Replace the blower plate in the same position. (Fig. 48)



Mount the Microwave Oven (Fig. 49)

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

IMPORTANT:

Do not grip or use door handle during installation.

If filler blocks are not used, case damage may occur from over tightening screws.

NOTE:

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

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

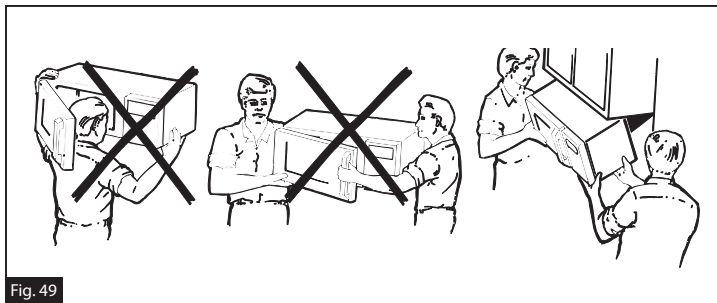


Fig. 49

1. Lift microwave, tilt it forward, and hook slots at back bottom edge onto four lower tabs of mounting plate. Rotate front of oven up against cabinet bottom. (Fig. 52)

NOTE: When mounting the microwave oven, thread the power cord through the hole in bottom of top cabinet. Keep it tight throughout Steps 1–3. Do not pinch cord or lift oven by pulling cord. (Fig. 50)

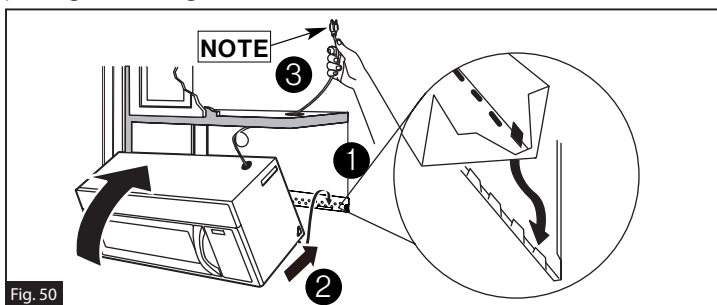


Fig. 50

2. Insert 2 self-aligning machine screws ($\frac{1}{4}$ "-20 X 3") through outer top cabinet holes. 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 the bottom of cabinet. (Fig. 51)

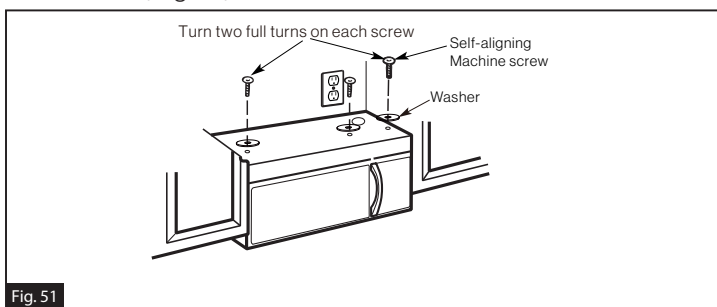


Fig. 51

3. The Filler Block is only used for recessed cabinet and front overhang cabinet (see the type of the cabinet on page 4 & 5), you should place the Filler Block to the cabinet bottom before installing the oven. (Fig. 52)

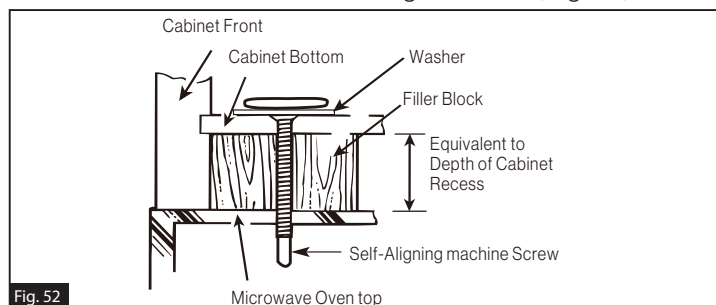


Fig. 52

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

5. Install the grease filters. (Fig. 53)

Filters should be cleaned at least once a month. Never operate the vent fan or oven without the filters in place. Pull down slightly on the tab toward the front of the oven and remove the filter. Repeat for the other filter. Soak the filter in a sink or dish pan filled with hot water and detergent. DO NOT use ammonia or other alkali; they will react with the filter material and darken it. Agitate and scrub with a brush to remove embedded dirt. Rinse thoroughly and shake dry. Replace by fitting the filter back into the opening.

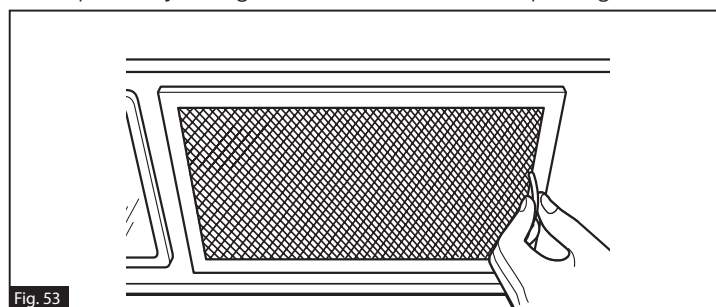


Fig. 53



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