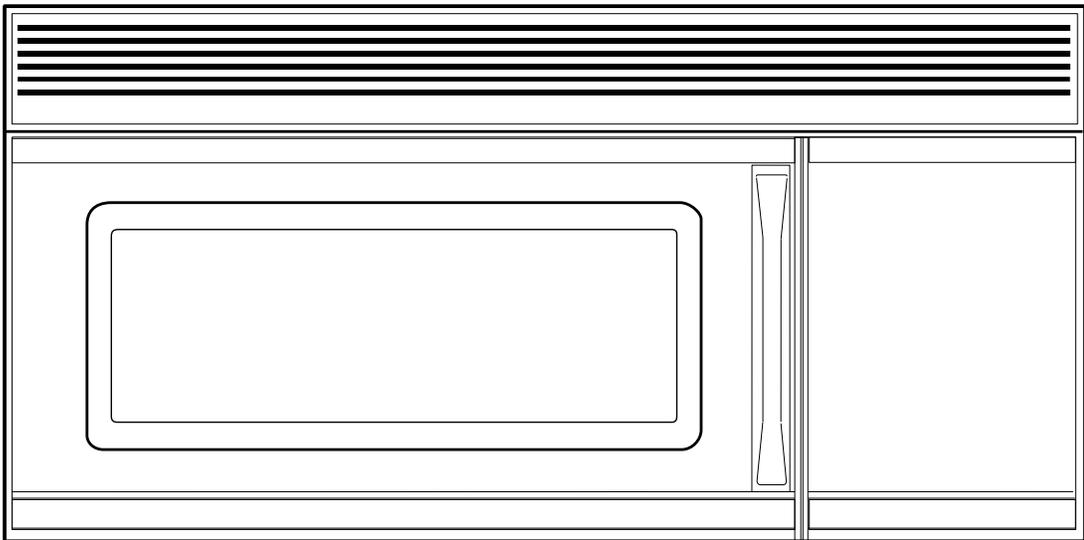


# Installation Instructions

## *Speedcook Oven*

---

**Read carefully.  
Keep these Instructions.**





# INSTALLATION INSTRUCTIONS

## 1 REQUIREMENTS FOR INSTALLATION

### Important Safety Instructions

See electrical requirements for proper outlet installation and grounding of this appliance. The installer must perform a ground continuity check on the power outlet box before beginning the installation to insure the outlet box is properly grounded. If not properly grounded, or if the outlet does not meet electrical requirements noted below, a qualified electrician should be employed to correct any deficiencies.

**CAUTION:** For personal safety, remove house fuse or open the circuit breaker before beginning installation.

**CAUTION:** For personal safety, the mounting surface must be capable of supporting the cabinet load in addition to the added weight of this 70 lb. product plus oven loads of up to 50 lbs., or a total of 120 lbs.

**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 persons install this product.**

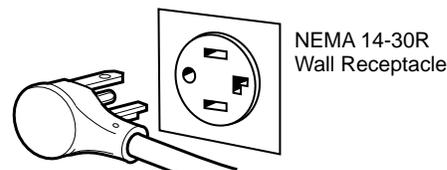
### Electrical Requirements

Product rating is 240/208 volts AC, 60 Hertz, 30 amps and 6.5 kilowatts. This product must be connected to an individual properly grounded branch circuit, protected by circuit breakers or time delay fuses. Wire size must conform to the requirements of the National Electric Code or the prevailing local code for this kilowatt rating. The outlet box should be located in the cabinet above the oven. The supply circuit and outlet box should be installed by a qualified electrician and conform to all prevailing electrical codes. The wall outlet receptacle recommended for this appliance is **NEMA # 14-30R** and accepts the four prong grounded plug of this appliance (see Fig. 1 above).

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

Fig. 1

*Insure proper ground exists before use.*

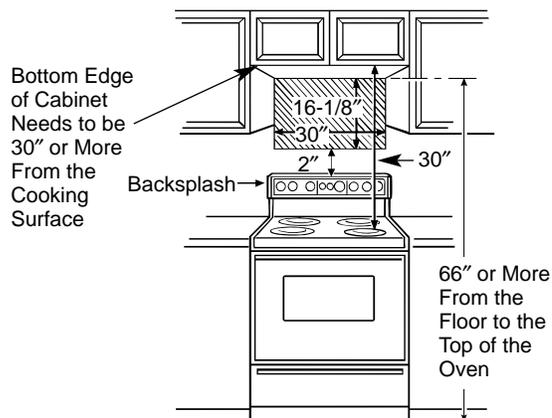


**DO NOT UNDER ANY CIRCUMSTANCES, CUT, DEFORM, OR REMOVE ANY OF THE PRONGS FROM THE POWER CORD. DO NOT USE WITH AN EXTENSION CORD.**

### Mounting Space

This section describes the space you need to install your oven.

Your oven requires mounting space on a wall as shown.



1. A minimum of 30" between the cabinets is required for installation. If the space between the cabinets is greater than 30", a Filler Panel Kit may be used to fill in the gap between the oven and the cabinets. Your Owner's Manual contains the kit number for your model.
2. Make sure the bottom edge of the cabinet that will be above the oven is at least 66" from the floor and 30" from the cooking surface.
3. For easier access to change the hood and range lamps, the bottom of the oven should be at least 2" above the range backsplash.
4. If you are going to vent your oven to the outside, see Section 5 for exhaust duct preparation.
5. **When installing the oven beneath smooth, flat cabinets, be careful to follow the instructions on the top cabinet template for power cord clearance.**
6. For best installation results, we recommend a maximum cabinet depth of 12".



## OVERVIEW OF INSTALLATION PROCEDURE

This section gives a brief overview of what you need to do to install this oven. **Read these entire instructions before you begin installation.**

Before you install this oven, remove the adhesive tape, if there is any, on the exhaust adaptor, grease filters and power supply cord.

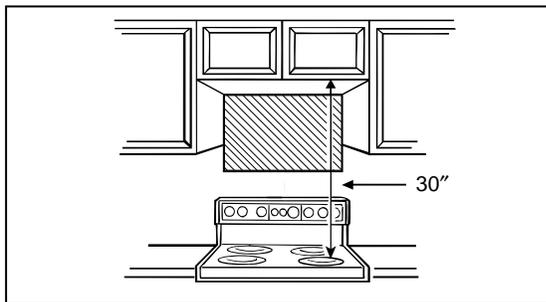
1. Install an outlet and make sure you meet the electrical requirements for this installation.
2. Open the installation hardware packets. Compare it to the hardware list to make sure you have all the parts.
3. Remove the mounting plate.
4. Check the oven exhaust duct and change it if required.
5. Attach the mounting plate to the wall.

Your cabinets may have trim that interferes with the oven installation. You may need to remove the trim in order to fit the oven in and to make it level.

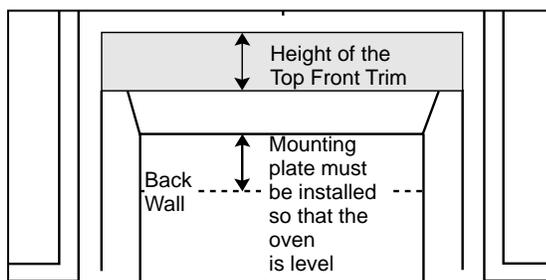
The space must be 30" wide. Remove any cabinet side trim that interferes with the 30" space, front or back.

### THE OVEN MUST BE LEVEL.

If the cabinets have top trim (front, back or both), this can be left in place if there is still enough clearance for proper installation.



If you leave the top front trim on, and there is no back trim, make sure the mounting plate is positioned down far enough to keep the oven level. Keep the space between the bottom of the cabinet and the mounting plate equal to the height of the top front trim. This will insure level installation of the oven.



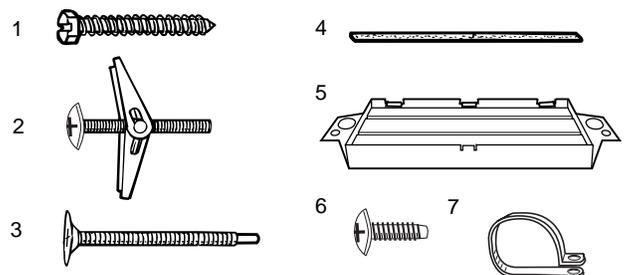
6. Hook the slots at the back bottom edge of the oven onto the 2 lower tabs of the mounting plate and rotate it up.
7. Attach the oven to the top cabinet.

## TOOLS YOU WILL NEED

- Phillips screwdriver
- Pencil
- Ruler or tape measure and straight edge
- Carpenter square (optional)
- Tin snips (in some applications)
- Electric drill with 3/16", 7/16", 1/2" and 5/8" drill bits
- Hammer
- Stud finder (optional)
- Filler blocks, if needed for top cabinet spacing
- Gloves
- Saw (jig or keyhole)
- Safety goggles

## 2 PARTS INCLUDED

You will find the installation hardware packed with the unit. Check to make sure you have all these parts. The installation hardware (1-7) should include the following:



### Hardware List

(some extra parts are included)

Quantity	Hardware List
2	1. Wood Screws (1/4" x 2")
4	2. Toggle Bolts (and wing nuts) 1/4" x 3"
3	3. Self-aligning Machine Screws (1/4" x 3 1/4")
2	4. Nylon Grommet (for metal cabinets)
1	5. Exhaust Adaptor (with damper)
3	6. Metal Screws (1/8" x 1/2") (1 black, 2 bronze)
1	7. Power Cord Strap (plastic)

### In addition you will need:

1	Top Cabinet Template
1	Installation Instructions
2	Separately Packed Grease Filters



# INSTALLATION INSTRUCTIONS

(continued)

## 3 HOOD EXHAUST DUCT

Outside ventilation requires a HOOD EXHAUST DUCT. Read the following carefully.

**EXHAUST CONNECTION:** The hood exhaust has been designed to mate with a standard 3¼" x 10" rectangular duct.

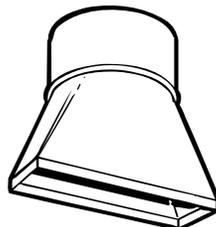
If a round duct is required, a rectangular-to-round transition adaptor must be used. Do not use less than a 6" diameter duct.

**REAR EXHAUST:** If a rear or horizontal exhaust is to be used, 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.

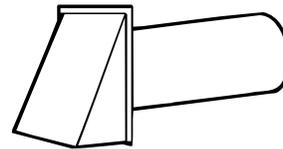
**MAXIMUM DUCT LENGTH:** For satisfactory air movement, the total duct length of 3¼" x 10" rectangular or 6" diameter round duct should not exceed 140 equivalent feet.

**ELBOWS, TRANSITIONS, WALL AND ROOF CAPS, etc.,** present additional resistance to airflow and are equivalent to a section of straight duct which is longer than their actual physical size. When calculating the total duct length, add the equivalent lengths of all transitions and adaptors plus the length of all straight duct sections. The chart below shows the approximate feet of equivalent length of some typical ducts.

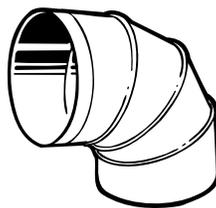
Duct	Equivalent Length
A. Rectangular-to-Round Transition Adaptor	5 Ft.
B. Wall Cap	40 Ft.
C. 90° Elbow	10 Ft.
D. 45° Elbow	5 Ft.
E. 90° Elbow	25 Ft.
F. 45° Elbow	5 Ft.
G. Roof Cap	24 Ft.



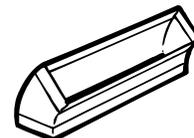
A. Rectangular-to-Round Transition Adaptor  
5 Ft.



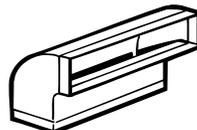
B. Wall Cap  
40 Ft.



C. 90° Elbow  
10 Ft.



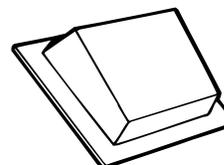
D. 45° Elbow  
5 Ft.



E. 90° Elbow  
25 Ft.



F. 45° Elbow  
5 Ft.



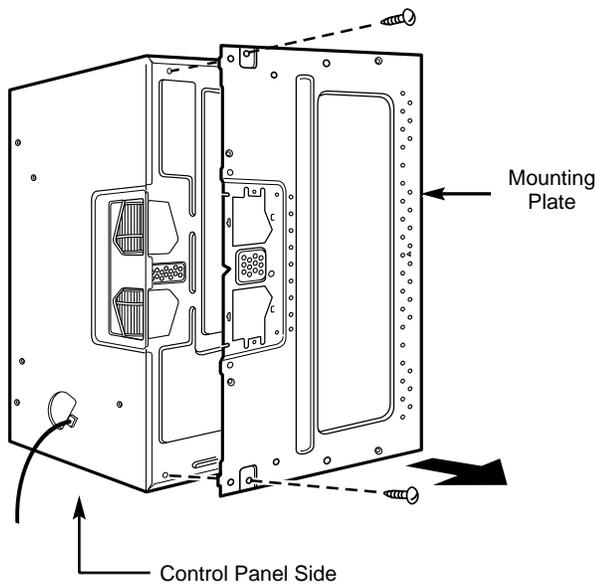
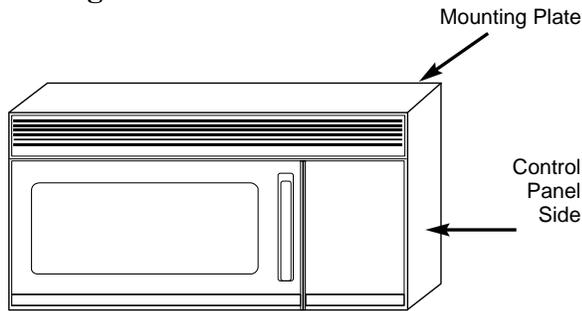
G. Roof Cap  
24 Ft.



#### 4 REMOVE THE MOUNTING PLATE

The mounting plate comes attached to the back of the oven.

1. **Stand the oven on its control panel side.**  
Use a portion of the carton or some other material to protect the outer case from being damaged.



2. Remove the 2 screws from the mounting plate as shown and discard.
3. This plate will be used as the **rear wall template**. (It will be used to locate and mark the mounting holes on the rear wall.)
4. Locate exhaust adaptor, grease filters and hardware packet.
5. At this point, remove any adhesive tape (if there is any), on the exhaust adaptor, the grease filters and the power supply cord.

#### 5 OVEN EXHAUST DUCT

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

**NOTE:** This oven is shipped assembled for top exhaust. 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)

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

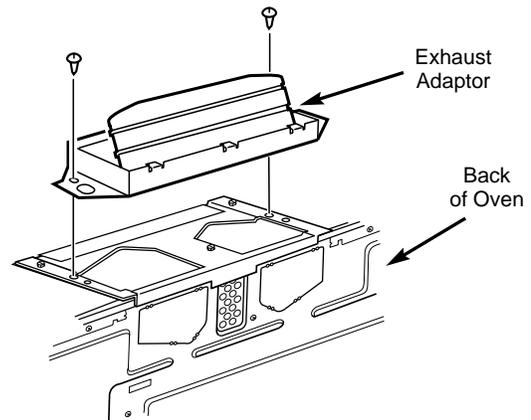
#### ADAPTING OVEN BLOWER

##### A. OUTSIDE TOP EXHAUST (Vertical)

This oven is shipped assembled for top exhaust. However, if you have a recessed cabinet bottom, you will need to install the exhaust adaptor now. If you have a flat bottom cabinet, the exhaust adaptor will be installed later through the cutout in the cabinet bottom.

**For recessed bottomed cabinets only:**

1. Position the exhaust adaptor (hardware item 5) over the blower plate, hinge side toward the back of the oven.



2. Attach the exhaust adaptor to the blower plate using the 2 bronze metal screws provided (hardware item 6).
3. Proceed to the PREPARATION OF TOP CABINET section. (See page 8.)

For flat bottomed cabinets, proceed to the PREPARATION OF TOP CABINET section.



# INSTALLATION INSTRUCTIONS

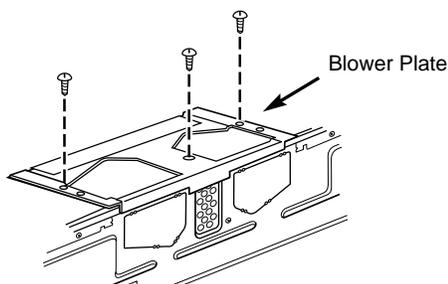
(continued)

## 5 OVEN EXHAUST DUCT (continued)

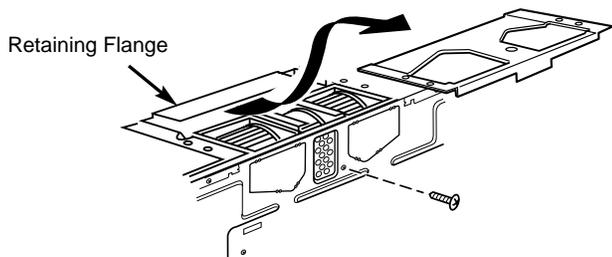
### B. OUTSIDE BACK EXHAUST (Horizontal Duct)

This oven is shipped assembled for top exhaust. Use the following steps to change it for outside back exhaust.

1. Remove and save the screws that hold the blower plate to the oven.



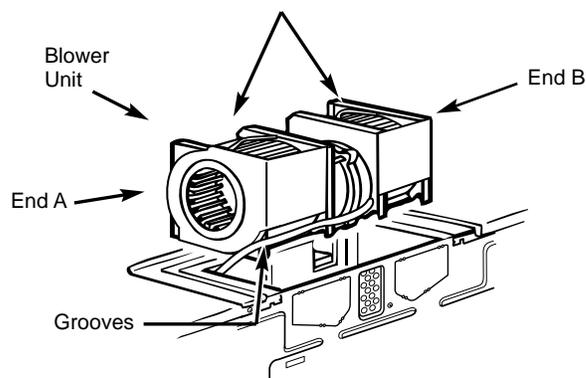
2. Slide the blower plate back from under its retaining flange and lift it off.
  - Remove and save the screw that holds the blower motor to the oven.



3.
  - Carefully pull out the blower unit.
  - The wires will extend far enough to allow you to adjust the blower unit.
  - Turn the blower unit end-over-end.
  - Reroute the wires through the grooves on the other side.
  - Roll the blower unit so that the fan blade openings are facing out the back of the oven. The blower unit exhaust openings should match the exhaust openings on the rear of the oven.

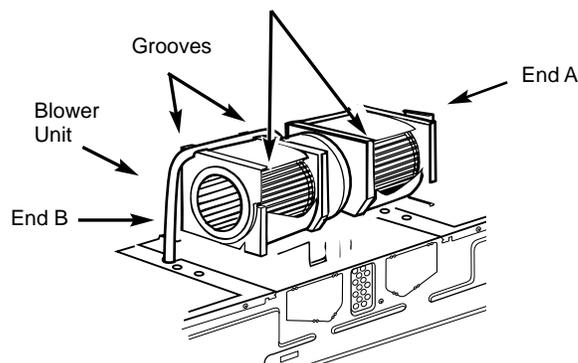
### BEFORE:

Fan Blade Openings Facing Up



### AFTER:

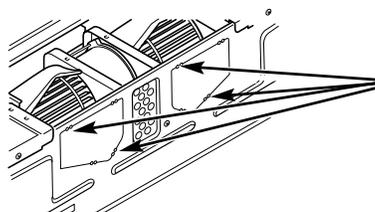
Fan Blade Openings Facing Back



- The wires should be routed in the grooves of the motor frame.
4.
    - Locate the two "knockout" plates, on the rear oven panel, near the top of the oven.
    - Using tin snips, carefully cut the web area from the two holes side-by-side (that secure the knockouts to the oven). Cut all four webs on both rear knockouts; this will allow the ventilation fan airflow to exhaust out the rear of the oven.

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

### Oven Rear Panel



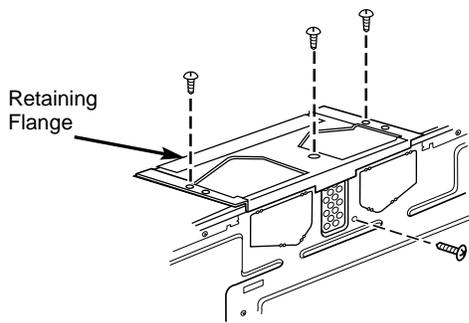
Snip all 4 webs on each knockout panel and remove the metal knockouts for rear airflow.



5. • Guide the wires into the duct as you place the blower unit back into the opening.
- Secure the blower unit to the oven with the screw from Step 2.

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

6. Replace the blower plate in the same position as before, under its retaining flange, and attach it with the screws.

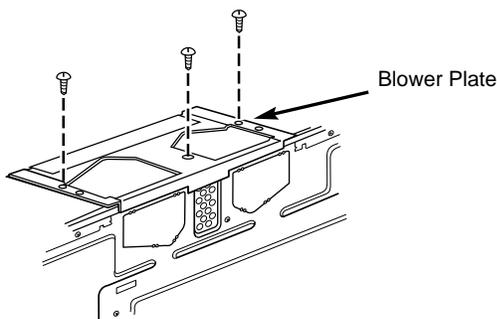


7. Proceed to the PREPARATION OF THE TOP CABINET section. (See page 8.)

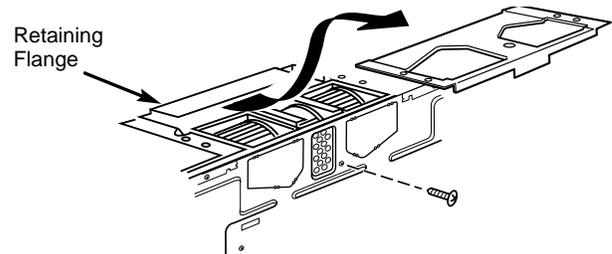
### C. RECIRCULATION (Non-Vented, Ductless)

**NOTE:** The exhaust adaptor with damper is not needed for recirculating models. You may want to save them for possible future use. (You must use the Charcoal Filter Kit. See your Owner's Manual for kit number.)

1. Remove and save the screws that hold the blower plate to the oven.



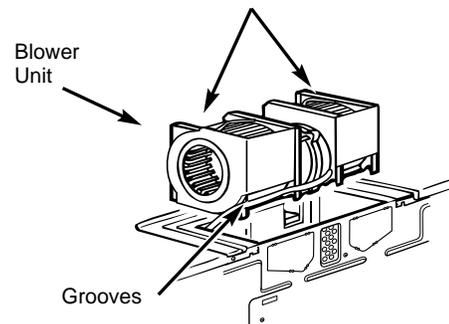
2. • Slide the blower plate back from under its retaining flange and lift it off.
- Remove and save the screw that holds the blower motor to the oven.



3. Carefully pull out the blower unit. The wires will extend far enough to allow you to adjust the blower unit.
- Roll the blower unit so that the fan blades are facing towards the front of the oven.

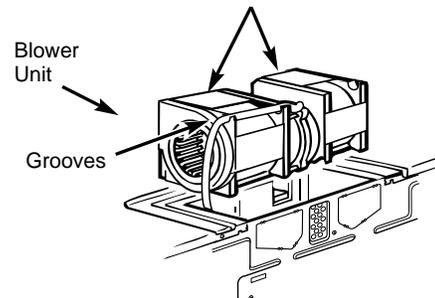
**BEFORE:**

Fan Blade Openings Facing Up



**AFTER:**

Fan Blade Openings Facing Front of Oven



- The wires should be routed in the grooves of the motor frame.

*(continued next page)*



# INSTALLATION INSTRUCTIONS

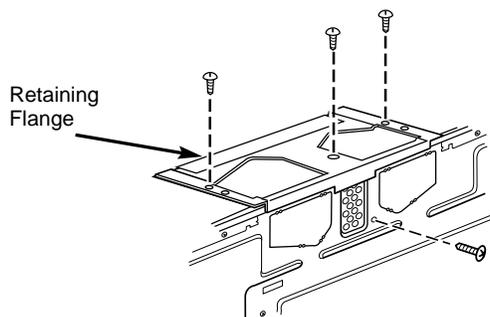
(continued)

## 5 OVEN EXHAUST DUCT (continued)

- Guide the wires into the duct as you place the blower unit back into the opening.
  - Secure the blower motor to the oven with the screw from Step 2.

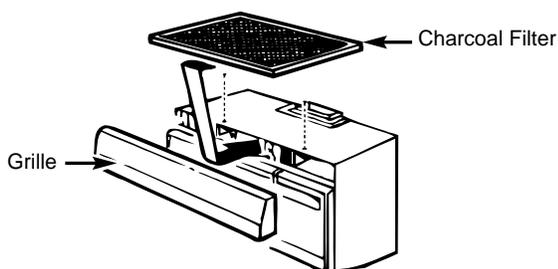
**CAUTION:** Do not pull or stretch blower unit wiring. **Make sure wires are not pinched.**

- Replace the blower plate in the same position as before, under its retaining flange, and attach it with the screws.



- Install the Charcoal Filter. See the Owner's Manual for the Charcoal Filter Accessory Kit needed for this model.

- Remove the 2 screws on the top of the case and remove the grille.
- Install the charcoal filter.
- Replace the grille and 2 screws.



- Proceed to the PREPARATION OF TOP CABINET section. (See the next step.)

**IMPORTANT**—When installing the exhaust blower in recirculation position, use Charcoal Filter Accessory Kit available from your appliance dealer.

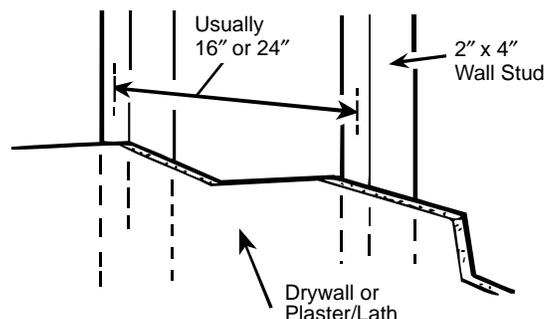
## 6 PREPARATION OF TOP CABINET

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 and cut out the appropriate holes, following the instructions on the template.

## 7 ATTACH THE MOUNTING PLATE TO THE WALL

Your oven needs to be mounted against and supported by a flat, vertical wall. Wall construction should be a minimum of 2" x 4" wall studding and 3/8" or more thick drywall or plaster/lath. The oven must be attached to a minimum of one 2" x 4" wall stud.



- Find the studs, using one of the following methods:
  - Stud finder—a magnetic device which locates nails.
  - Use a hammer to tap lightly across the mounting surface to find a solid sound. This will indicate a stud installation.

After locating the stud(s), the center can be found by probing the wall with a small nail to find the edges of the stud and then placing a mark halfway between the edges. The center of any adjacent studs should be 16" or 24" from this mark.

- Draw a line down the middle of the studs.

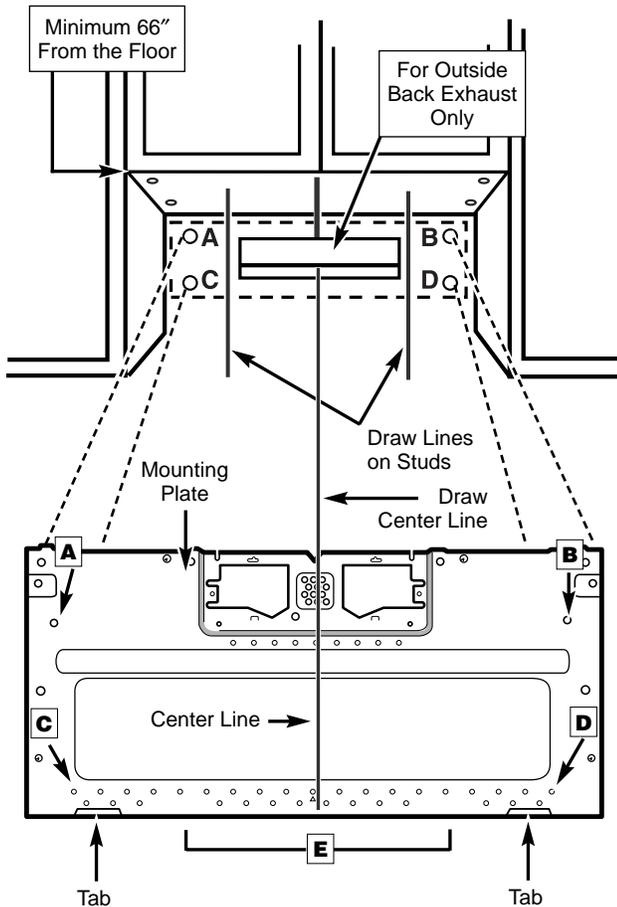
**THE OVEN MUST BE CONNECTED TO AT LEAST ONE WALL STUD.**



3. Draw a vertical line on the wall at the center of the 30" wide space.

Use the mounting plate as the **template** for the rear wall. Place the mounting plate on the wall, making sure that the tabs are against the bottom of the cabinet. Line up the notch and center line on the mounting plate to the center line on the wall.

3/16" Hole on Studs  
5/8" Hole on Drywall Only



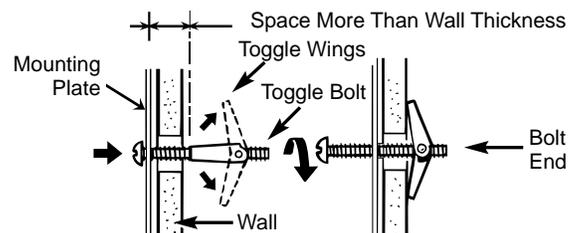
4. While holding the mounting plate with one hand, draw circles on the wall at holes A, B, C and D. **Four holes must be used for mounting. If the holes are not used, the installation will not be secure. Installer must use these holes for proper installation.** Use toggle bolts through these holes unless one of them lines up with a stud. Use a wood screw for studs.

**NOTE:** Draw a fifth circle inside area E, through one of the **bottom** holes to match the location of a stud.

**For outside back exhaust:** The oven requires a rear wall cutout opening for the rear wall duct and the exhaust adaptor must be attached to the mounting plate. **See the next page** on how to prepare the rear wall cutout opening and the exhaust adaptor/mounting plate for outside back exhaust.

Set the mounting plate aside.

5. Drill holes on the circles. If there is a stud, drill a 3/16" hole for wood screws. If there is no stud, drill a 5/8" hole for toggle bolts. **Make sure to use at least 1 wood screw in a stud, and 4 toggle bolts in the drywall or the plaster.**
6. Attach the plate to the wall. To use toggle bolts: Remove the toggle wings from the bolts. Insert the bolts into the mounting plate and replace the toggle wings to 3/4" past the bolt ends. Insert the toggle wings into the holes in the wall to mount the bracket. You may pull forward on the bracket to help in tightening the toggle bolts. Tighten all bolts.



(continued next page)



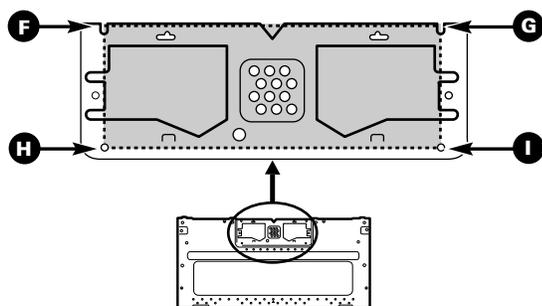
# INSTALLATION INSTRUCTIONS

(continued)

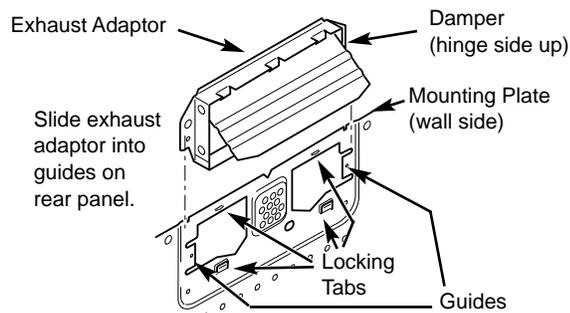
## 7 ATTACH THE MOUNTING PLATE TO THE WALL (continued)

To prepare the rear wall cutout opening and exhaust adaptor/mounting plate for outside back exhaust:

1. Place the mounting plate against the rear wall as described in Step 7, item 3.
2. Using a pencil, put dots through slots F and G, and through holes H and I. Remove the mounting plate and draw lines extending through the points. This will give the location and size of the box cutout for the rear wall duct.



- Attach the exhaust adaptor to the rear mounting plate by sliding it into the guides at the top center of the plate on the wall side.



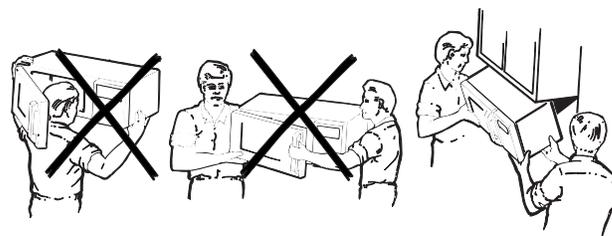
Push in securely until it is past the top locking tabs and in the lower locking tabs. Take care to assure the damper hinge is installed so that it is at the top and that the damper swings freely.

- Carefully guide the exhaust adaptor, now attached to the mounting plate, into the house duct, before using the screws to attach the plate to the wall. This will assure proper alignment for installation.
- Return to step 7, item 5 (page 9) to continue. After completing the installation of the mounting plate, again check the rear damper for free movement to assure it will operate properly.

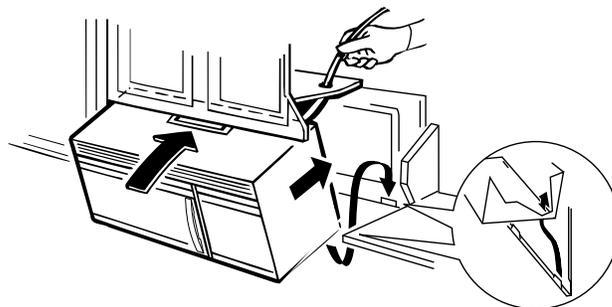
## 8 MOUNT THE OVEN

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

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



1. Locate the grease filters packed separately and set aside. Thread the power cord through the hole in the bottom of the top cabinet. Keep the cord tight throughout Step 2.



2. Install the oven by hooking the slots at the back bottom edge onto the two lower tabs of the mounting plate. Rotate the front of the oven up against the cabinet bottom and using a self-aligning screw (hardware item 3) insert it through the top center cabinet hole and temporarily secure the oven by turning the screw **two full turns**. (It will be completely tightened later.) **Be sure to keep power cord tight.**

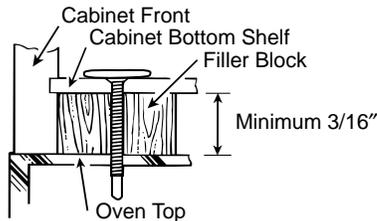
**NOTE:** If your cabinet is metal, use the nylon grommet around the power cord hole to prevent cutting of the cord.



### 3. Attach the oven to the top cabinet.

#### NOTE:

1. You'll need to use a filler block if the cabinet front hangs below the cabinet bottom shelf.

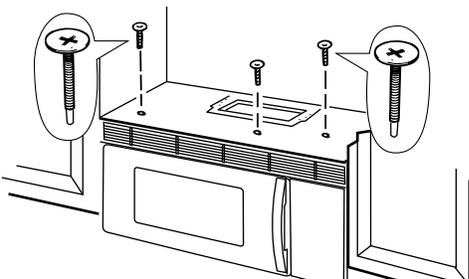


2. If your cabinet front hangs more than  $2\frac{3}{4}$ " below the cabinet bottom, you may need to use longer screws than the ones provided with this product. The screws provided with this product (hardware item 3) are self-aligning, large-head machine screws  $\frac{1}{4}$ " dia.,  $3\frac{1}{4}$ " long, with SAE 28 threads per inch. It is **important** that you use replacement screws **just long enough** to attach the product to the cabinet. The length can be determined by measuring the height of the overhang from the top of the cabinet floor to the bottom of the overhang and adding one inch to that length. This will be the length of the  $\frac{1}{4}$ " SAE 28 threads per inch screws you need.

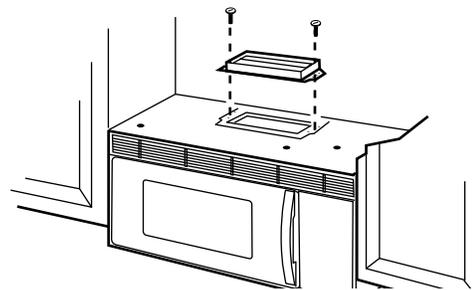
**This is necessary to allow for clearances of internal parts of your oven.**

Insert 2 self-aligning screws (hardware item 3) through the outer top cabinet holes. Tighten the **center screw** completely and then the outer two screws to the top of the oven. (While tightening screws, lift the front side of the oven and push toward the wall.)

You will also need to use washers  $\frac{3}{4}$ " dia. to fit the screws you purchase. This will prevent the screw heads from pulling through the bottom of the cabinet when tightening during installation.



4. Install the grease filters and remove the tape from the cooktop lamp covers on the bottom of the oven.
5. Secure the power cord to the cabinet wall, as desired to keep excess length out of the way. Use the power cord strap (hardware item 7) and the black metal screw (hardware item 6).
6. **For top exhaust on flat bottomed cabinets**, open the top cabinet and attach the exhaust adaptor to the oven through the cabinet bottom.
  - Remove and discard the 2 screws for the blower plate.
  - Position the exhaust adaptor (hardware item 5) over the blower plate, hinge side toward the back of the oven.



- Attach the exhaust adaptor to the blower plate using the 2 bronze metal screws provided (hardware item 6).

Make sure the damper moves freely in the exhaust adaptor.

Pull the house duct down to connect to the exhaust adaptor. Tape duct using duct tape.

## 9 INSTALLATION CHECKLIST

1. Make sure the oven has been installed according to instructions.
2. Remove all packing material from the oven.
3. Replace house fuse or turn breaker back on.
4. Plug power cord into outlet.
5. Read the Owner's Manual.
6. **KEEP INSTALLATION INSTRUCTIONS FOR THE LOCAL INSPECTOR'S USE.**

Part No. 164D3370P068
Pub. No. 49-40068-1
3828W5U0050

Printed in Korea