

KitchenAid®

Installation Instructions

Part No. 3182137 Rev. E

**Electric Built-in 30"
Thermal Single and
Double Ovens**
**30" Thermal
Convection Single
and Double Ovens**

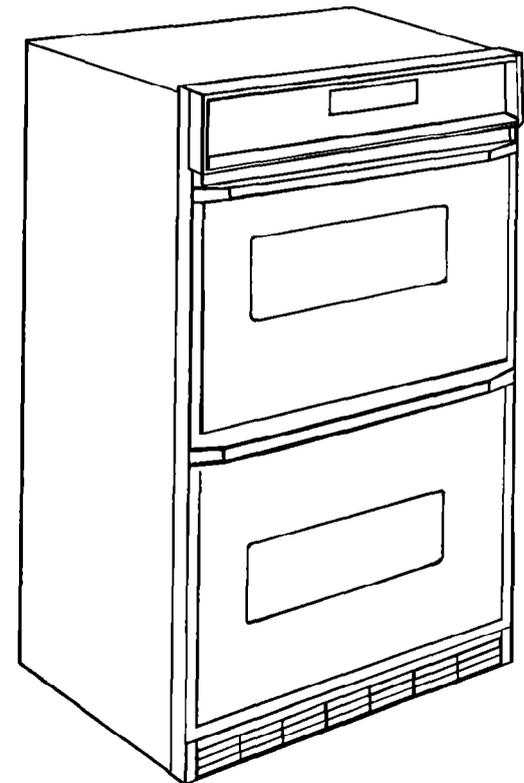
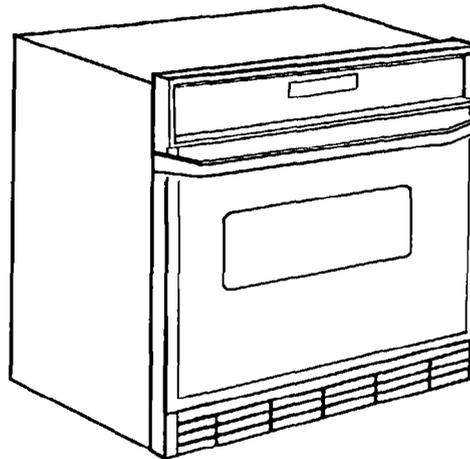
IMPORTANT:
**Read and save
these instructions.**

IMPORTANT:

Installer: Leave Installation Instructions with the homeowner.

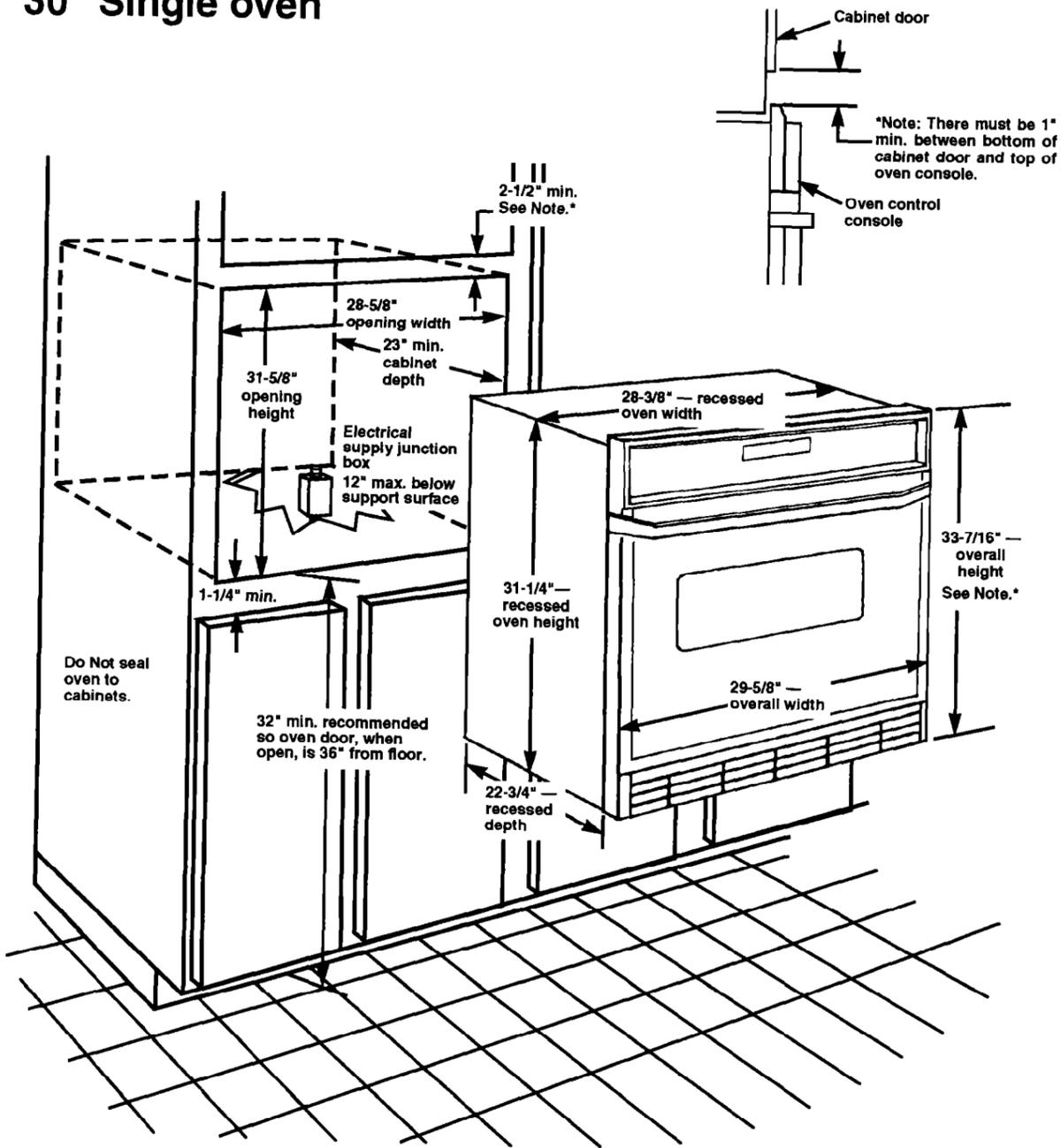
Homeowner: Keep Installation Instructions for future reference.

Save Installation Instructions for local electrical inspector's use.



6/94

30" Single oven



Before you start...

Read the electrical and carpentry instructions.

Proper installation is your responsibility. A qualified technician should install this oven. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with the installation clearances specified on the serial/rating plate. The serial/rating plate can be found behind the oven door (double oven models — upper oven) on the frame of the oven.

Check location where the built-in oven will be installed. The location should be away from strong draft areas, such as windows, doors, and strong heating vents. The built-in oven should be located for convenient use in the kitchen.

Cabinet opening dimensions that are shown must be used. Dimensions given are for a built-in oven sitting on a contact surface 2-3/4" below the open oven door height. The contact surface must be solid and level and flush with the bottom of the cabinet opening.

The recessed installation area must provide complete enclosure around the recessed portion of the oven.

ALL OPENINGS IN THE WALL OR FLOOR WHERE THE BUILT-IN OVEN IS TO BE INSTALLED MUST BE SEALED.

Electrical ground is required. See "Electrical requirements."

Do Not install single oven in a base cabinet with a countertop above it.

NOTE:

The oven support surface must be flush with the bottom of the cabinet opening.

Important: Observe all governing codes ordinances.

WARNING

Electrical Shock Hazard

It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition**, and all local codes and ordinances.

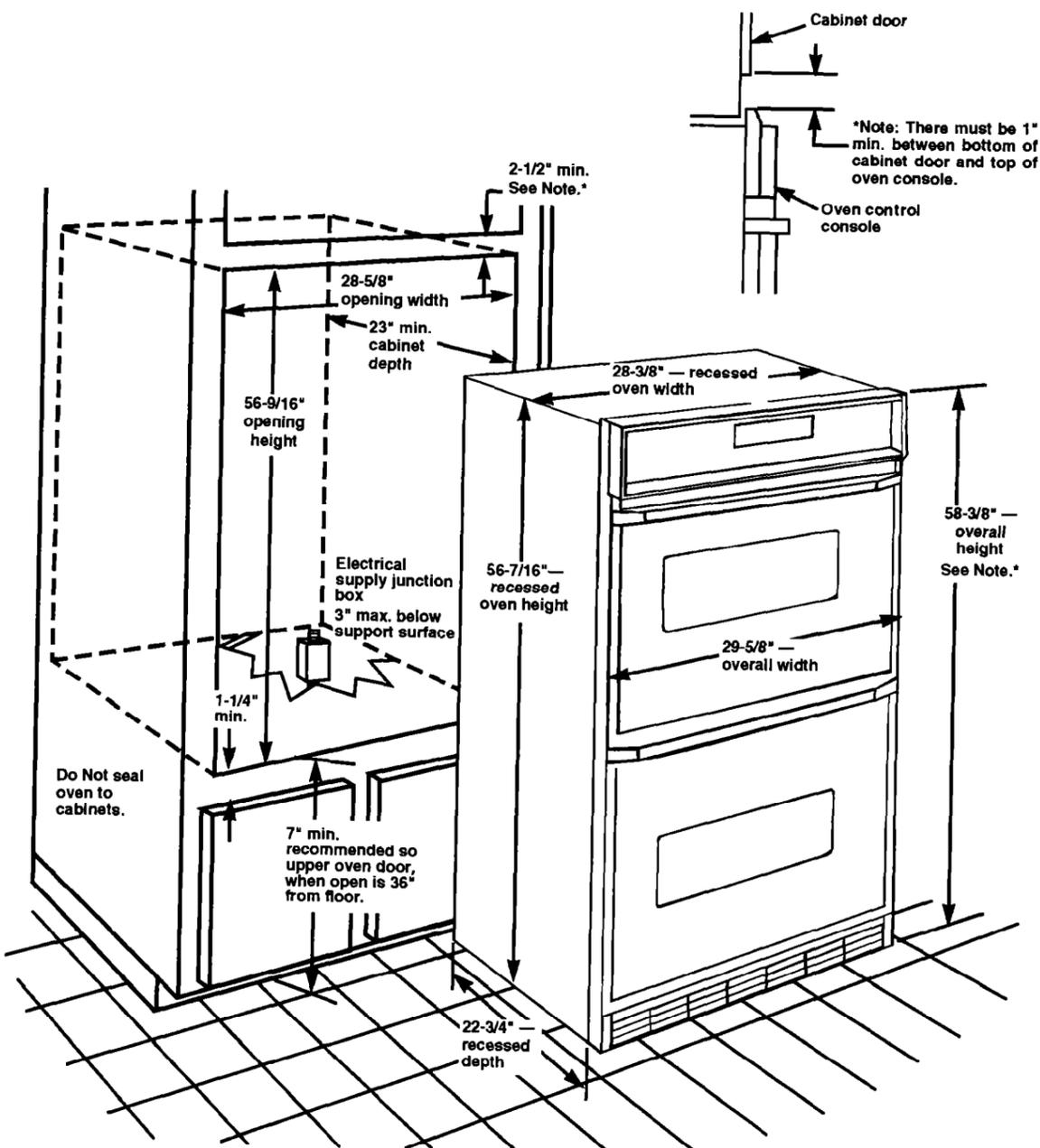
Failure to do so could result in fire, electrical shock or other personal injury.

Personal Injury Hazard

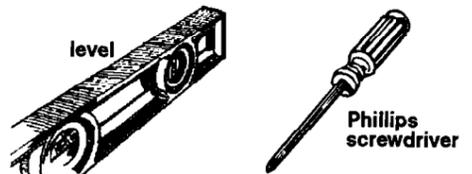
Securely fasten oven to cabinet using the screws 4 screws provided (8 screws for double oven).

Failure to do so could cause the oven to move or tip during use and result in personal injury.

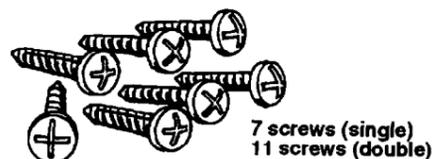
30" Double oven



Tools needed for installation:



Parts supplied for installation:



Electrical requirements

⚠ WARNING

Electrical Shock Hazard

- Electrical ground is required on this appliance.
- Do Not ground to a gas pipe.
- Do Not have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in an electrical shock.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

Failure to follow these instructions could result in serious injury or death.

If codes permit and a separate grounding wire is used, it is recommended that a qualified electrician determine that the grounding path is adequate.

IMPORTANT:

Save Installation Instructions for the local electrical inspector's use.

A. This appliance **must** be connected to the proper electrical voltage and frequency as specified on the serial/rating plate located behind the oven door (double oven models — upper oven) on the front frame. A fuse is required in both sides of the line. A time-delay fuse is recommended. Use the voltage and kilowatt rating given on the serial/rating plate to select the proper fuse size from the chart.

Fuse Requirements:

Volts	Kw	Fuse Size (amps)	Wire Gauge*		
			0 to 50 ft.	51 to 100 ft.	101 to 150 ft.
120/208	6.2	30	8	6	6
	6.2 to 8.3	40	8	6	4
	8.3 to 10.4	50	6	4	2
120/240	7.2	30	8	6	6
	7.2 to 9.6	40	8	6	4
	9.6 to 12.0	50	6	4	2

* Check your local codes and ordinances.

B. OVEN MUST BE CONNECTED WITH SOLID COPPER WIRE ONLY.

C. Wire sizes and connections must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 — latest edition**, and all local codes and ordinances. Wires sizes and connections must conform with the rating of the appliance. Copies of the standards listed may be obtained from:

**National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

D. This appliance should be connected directly to the fused disconnect (or circuit breaker box) through flexible, armored or non-metallic sheathed, copper cable (with grounding wire). The flexible armored cable from the appliance should be connected directly to the junction box.

E. Locate the junction box to allow as much slack in the cable as possible between the junction box and the appliance so that the oven can be moved if servicing is ever necessary. Do Not cut the conduit.

F. A U.L.-listed conduit connector **must** be provided at the junction box.

G. A wiring diagram is included in the Tech Sheet. The Tech Sheet is located behind the air grille.

Electrical connection

⚠ WARNING

Electrical Shock Hazard

- Electrical ground is required on this appliance.
- Do Not connect to the electrical supply until appliance is permanently grounded.
- Disconnect power to the junction box before making the electrical connection.
- This appliance must be connected to a grounded, metallic, permanent wiring system, or a grounding connector should be connected to the grounding terminal or wire lead on the appliance.

Failure to do so could result in a fire, personal injury or electrical shock.

This appliance is manufactured with white (neutral) power supply wire and a cabinet-connected green grounding wire twisted together.

Connect the appliance cable to the junction box through the U.L.-listed conduit connector. Complete electrical connection according to local codes and ordinances.

A. Where local codes permit... connecting the cabinet-grounding conductor to the neutral (white) junction box wire:

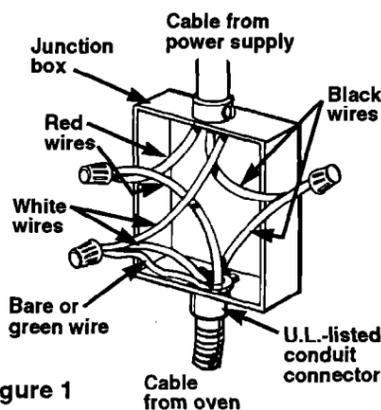


Figure 1

1. Disconnect the power supply.
2. Remove the terminal block cover.
3. Connect together 3 wires: green and white appliance cable wires and the neutral (white) wire in junction box.
4. Connect the two black wires together; then the two red wires together. See Figure 1.

B. Where local codes Do Not permit... connecting the cabinet-grounding conductor to the neutral (white) junction box wire:

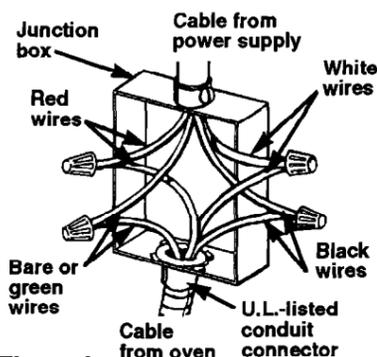


Figure 2

1. Disconnect power supply.
2. Separate the green and white appliance cable wires.
3. Connect the white appliance cable wire to the neutral (white) wire in the junction box.
4. Connect the two black wires together; then the two red wires together. See Figure 2.
5. Connect the green or bare grounding wire from the appliance cable to a grounded wire in the junction box.

C. If connecting to a four-wire electrical system...

Do Not connect the cabinet-grounding conductor to the neutral (white) junction box wire.

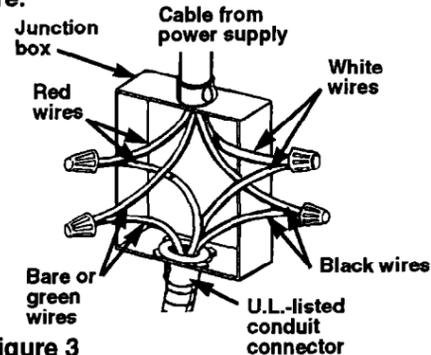


Figure 3

1. Disconnect the power supply.
2. Separate the green (or bare) and white appliance cable wires.
3. Connect the white appliance cable wire to the neutral (white) wire in the junction box.
4. Connect the two black wires together; then the two red wires together. See Figure 3.
5. Connect the green appliance cable wire to the green grounding wire in the junction box.

Now start... with oven in kitchen.

1. Remove shipping materials, tape, and protective film from oven. Do Not remove shipping base at this time.

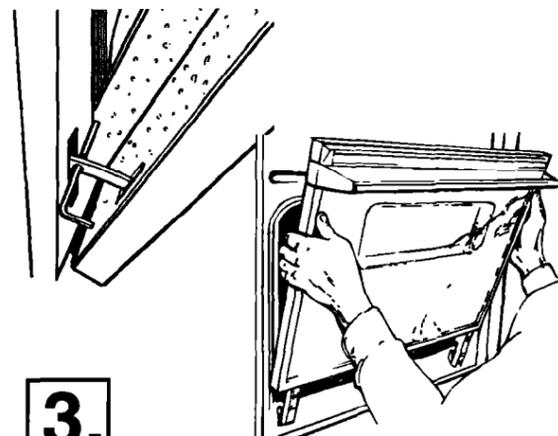
2. Remove the racks and other parts from inside the oven.

⚠ WARNING

Personal Injury/Property Damage Hazard

- Use both hands to remove oven doors.
- Grasp only the sides of oven doors.
- Do Not use handle or any portion of the trim for lifting.
- Because of the weight and size of the single or double oven, two or more people are needed to move and safely install the oven.

Failure to properly grasp the oven doors or to lift ovens properly could result in damage to the product or personal injury.



- 3.** **Self-cleaning ovens:** Insert a nail (or equivalent, 5/32" diameter item) into the hole in each of the hinges. Close the door as far as possible. Lift the oven door off of the hinges. Set aside.
- Non-self cleaning ovens:** Open the oven door to the broil "stop" position and lift the door upwards to remove. Set oven door aside.

⚠ CAUTION

Property Damage

Before moving oven across floor, check that oven is on shipping base or slide single or double oven onto cardboard or hardboard.

Failure to follow these instructions may result in damage to floor covering.

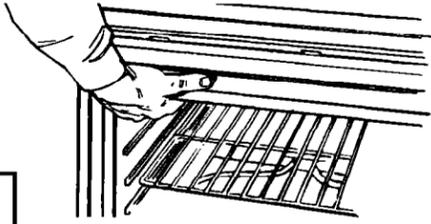
- 4.** Turn power supply off. Move oven close to final position. Remove and discard shipping base. Feed appliance cable through the opening in cabinet. Make electrical connection. See "Electrical requirements" and "Electrical connection" sections, Panel B.

CAUTION

Product Damage

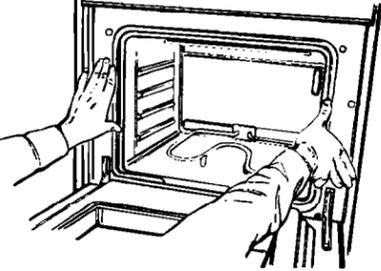
Carefully push against the seal area of the oven front frame when pushing the oven into the cabinet.

Do Not push against outside edges. Failure to follow these instructions can result in damage to oven finish.

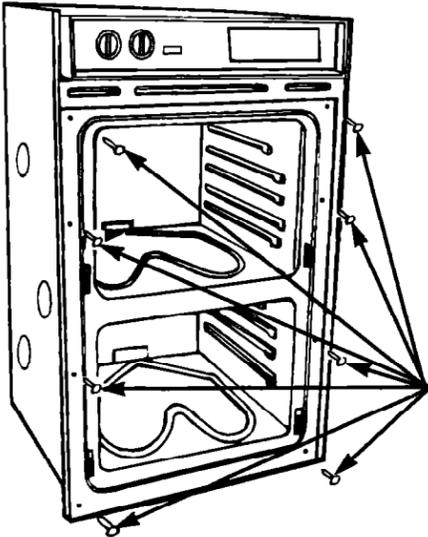


5.

Remove and discard shipping base. Lift oven up into cabinet cutout using the oven opening as an area to grip.



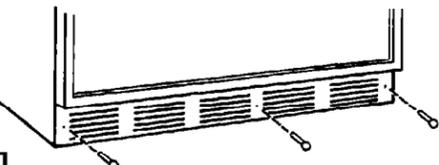
Push against seal area of front frame to push oven into cabinet.



4 screws (single)
8 screws (double)

6.

Center oven into cabinet cutout. Use two screws (four screws for a double oven) through the mounting holes in the front frame of the oven to secure the oven to the cabinet. Do Not overtighten screws.



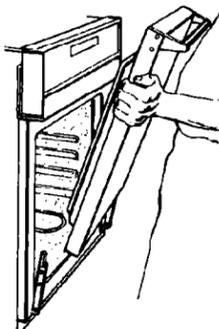
7.

Put the air grille in place below the oven opening, making sure that the flange is at the bottom. Slide the air grille into position and attach it to the oven cabinet with the three, black or chrome, metal screws provided.

8.

Replace the oven racks. Replace the self-cleaning oven door by fitting both corners of the door over the ends of the hinges. Remove the nails from the hinges. Close the oven door. If the door does not close, you have not pushed the door completely onto the hinges.

Replace the non-self cleaning oven door by fitting both corners of the door over the ends of the hinges. Push door evenly and completely onto the hinges. Close the oven door. If the door does not close, you have not pushed the door completely onto the hinges.



Thermal single oven control panel



Thermal convection double oven control panel

9.

Turn on the power supply. "88:88" should appear in the clock display. Press the "CLOCK SET" button. "TIME, HR AND MIN" will light in the display. "0:00" will appear and ":" will be flashing. Press the numbers pads for the correct time of day. Press the "START/ENTER" pad to start the clock.

10.

Check the operation of the BAKE element.

Thermal-only single or double ovens, or the lower oven on the thermal convection double oven: Press the "BAKE" pad and "350°" will appear in the display. Press the "START/ENTER" pad to start the bake operation. "Lo" and the ON, Bake Element, Outer Broil Element and Oven Cavity symbols will light in the display. In 1-2 minutes, the bottom element should glow red. The upper element should become hot, but not glow red and the oven should be heating. Press the "CANCEL/OFF" pad.

Thermal convection single or upper ovens: Press the "CONVECTION BAKE" pad and "325°" will appear in the display. Press the "START/ENTER" pad to start the bake operation. "Lo" and the ON, Convection Element and Convection Fan symbols will light in the display. In 1-2 minutes, the bottom element should glow red. The upper element should become hot, but not glow red and the oven should be heating. Press the "CANCEL/OFF" pad.

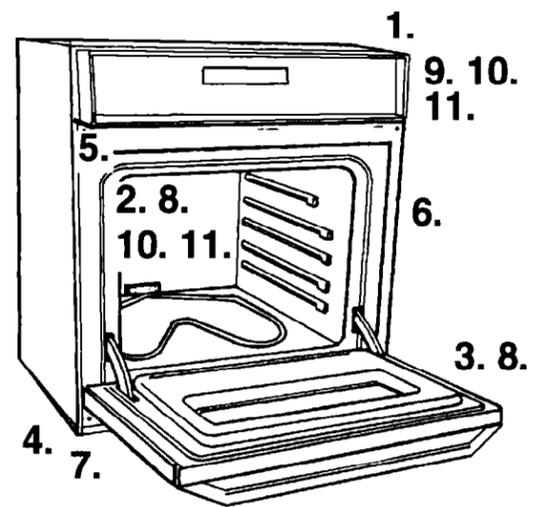
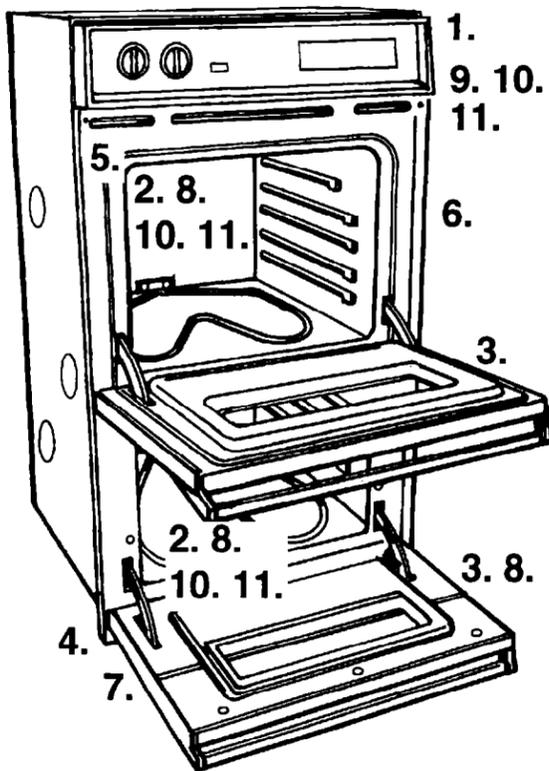
11.

Check the operation of the BROIL element.

Thermal convection single or double ovens: Press the "BROIL" pad once and "500°" and "MAXI BROIL" (if model is so equipped) will appear in the display. Press the "START/ENTER" pad to start the broil operation. The ON, Inner and Outer Broil Elements, and Oven Cavity symbols will light in the display (if model is so equipped). In 1-2 minutes, the upper element should glow red. Press the "CANCEL/OFF" pad.

Thermal-only single or double ovens: Press the "BROIL" pad and "500°" will appear in the display. Press the "START/ENTER" pad to start the broil operation. The ON, Inner and Outer Broil Elements, and Oven Cavity symbols will light in the display. In 1-2 minutes, the upper element should glow red. Press the "CANCEL/OFF" pad.

To get the most efficient use from your new oven, read your KitchenAid Use & Care Guide. Keep Installation Instructions and Guide close to oven for easy reference.



Numbers correspond to steps.

If the range does not operate...

- Check that the circuit breaker is not tripped or the house fuse blown.
- See Use and Care Guide for troubleshooting checklist.

NOTE:

Refer to Use and Care Guide for operating instructions and cleaning instructions.

If you need assistance...

The KitchenAid Consumer Assistance Center will answer any questions about operating or maintaining your oven not covered in the Installation Instructions. The KitchenAid Consumer Assistance Center is open 24 hours a day, 7 days a week. Just dial 1-800-422-1230 — the call is free.

When you call, you will need the oven model number and serial number. Both numbers can be found on the serial/rating plate located behind the oven door (double oven models — upper oven) on the front frame.

If you need service...

In the event that your KitchenAid appliance should need service, call the dealer from whom you purchased the appliance or a KitchenAid-authorized service company. A KitchenAid-authorized service company is listed in the Yellow Pages of your telephone directory under "Appliances — Household — Major — Service or Repair." You can also obtain the service company's name and telephone number by dialing, free, within the continental United States, the KitchenAid Consumer Assistance Center telephone number, 1-800-422-1230. A special operator will tell you the name and number of your nearest KitchenAid-authorized service company.



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50% recovered materials.