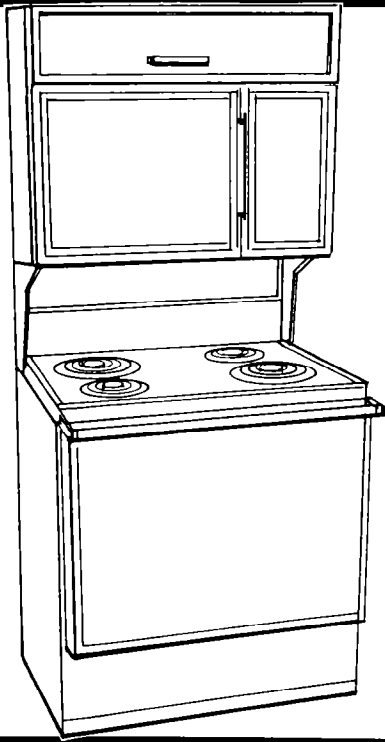


Installation Instructions



Whirlpool

Home Appliances

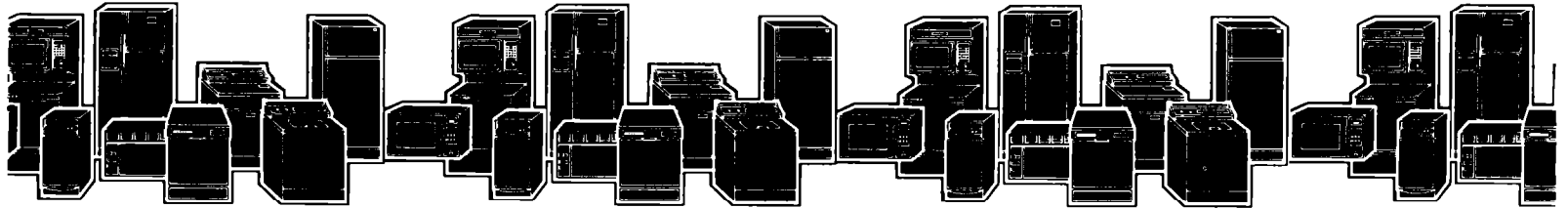
IMPORTANT:

Installer: Leave Installation Instructions with the homeowner.

Homeowner: Keep Installation Instructions for future reference.

Save Installation Instructions for local electrical inspector's use.

30" Eye-level Microwave Range

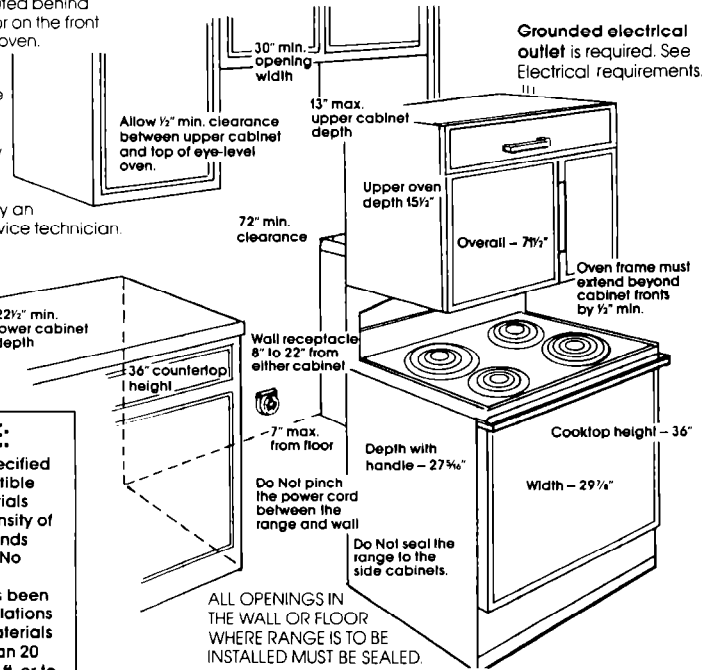


Before you start...

Proper installation is your responsibility. A qualified technician should install this range. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with the installation clearance specified on the serial/rating plate. The serial/rating plate is located behind the microwave oven door on the front frame of the microwave oven.

Remove all packaging material from microwave oven cavity. Check the over area for damage—see For Your Safety. If any damage is evident do not operate microwave oven until it is checked by an authorized Whirlpool service technician.

Cabinet opening dimensions that are shown must be used. Given dimensions are minimum clearances and provide required 0" clearance.

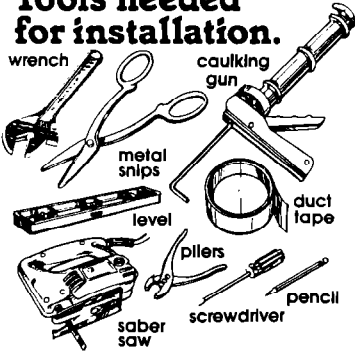


NOTE:

Clearances specified are for combustible wall and materials that have a density of 20 or more pounds per cubic foot. No evaluation of clearances has been made for installations adjacent to materials that are less than 20 pounds per cu. ft. or to plastic tiles and sheeting.

Important: Observe all governing codes and ordinances.

Tools needed for installation.



Mobile home installation

The installation of this range must conform to the Manufactured Home Construction and Safety Standards, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, part 280).

Four-wire power supply cord must be used and the appliance wiring must be revised. See Electrical requirements.

When this range is installed in a mobile home, it must be secured to the floor during transit. Any method of securing the range is adequate as long as it conforms to the standards listed above.

Copies of the standards listed may be obtained from:

*National Fire Protection Association
Battery March Park
Quincy, Massachusetts 02169

Electrical requirements

IMPORTANT:

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

A power supply cord is not supplied with this appliance but is available through your local electrical supply houses.

WARNING

Electrical Shock Hazard

- Electrical ground is required on this appliance.
- Improper connection of the equipment-grounding conductor can result in electrical shock.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.
- Only a power supply cord kit rated at 240 volts, 50 amperes and investigated for use with ranges shall be used.
- Do Not use an extension cord with this appliance. Such use may result in a fire, electrical shock or other personal injury.
- Do Not have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in electrical shock.
- Do Not plug the "pigtail" power cord into a live receptacle before the cord is permanently connected to the terminal block. To do so may result in electrical shock.

Failure to follow these instructions could result in an electrical shock.

A. This appliance must be connected to the proper electrical voltage and frequency as specified on the serial/rating plate. All models require a separate 50 amp circuit. Fuse both sides of the line. Do Not fuse the neutral. A time-delay fuse or circuit breaker is recommended. Check the serial/rating plate located behind the microwave oven door on the front frame for the required voltage and frequency.

B. It is the personal responsibility and obligation of the customer to contact a qualified electrician to assure that the electrical installation is adequate and is in conformance with

WARNING

Personal Injury Hazard

It is the customer's responsibility:

- To contact a qualified electrical installer.
 - To assure that electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70-latest edition, and local ordinances.
- Failure to follow these instructions could result in an electrical shock.
- Cabinet storage above the cooking surface should be avoided.
 - Reaching over a heated cooking surface could result in a serious burn.
 - Do not attempt to operate the microwave oven with the door open.
 - Do not tamper with or defeat the safety interlocks.
 - Do not place objects between the microwave oven front face and door.
 - Do not allow soil or cleaner residue to accumulate on sealing surface of the microwave oven door.
 - Do not operate the microwave oven if damaged.
 - Do not use the microwave oven if:
 - door is bent.
 - hinges and latches are broken or loose.
 - door seals, sealing surfaces or glass are broken.

The microwave oven door must close properly to provide safe operation.

- Only have a qualified repair person adjust, repair and check microwave oven for microwave leakage after a repair is made.
- Do not use microwave for commercial purposes.

The microwave oven in this unit is designed for household use only. Failure to follow these instructions could result in exposure to excessive microwave energy.

the National Electrical Code ANSI/NFPA 70-latest edition, and local codes and ordinances.

- C.** All wires ending at the appliance must terminate in ring type terminals.



3-wire wall receptacle (10-50R)

Figure 1

- D.** Local codes may permit the use of a three-wire, flexible-type, U.L.-listed power supply cord (pigtail) with the proper ampere rating. This cord contains three, No.-10 copper wires and matches a three-wire receptacle of NEMA type 10-50R, shown in Figure 1. A U.L.-listed strain relief must be provided at the point the power supply cord enters the appliance.

- E.** The range may be connected directly to the fused disconnect (or circuit breaker) box through flexible, armored or non-metallic sheathed, copper cable. Allow at least 4 feet minimum slack in the line between the wall and the appliance so that it can be moved if servicing is ever necessary. A U.L.-listed strain relief must be provided at each end of the power supply cord. Wire sizes (COPPER WIRE ONLY) and connectors must conform with the rating of the appliance as specified on the serial/rating plate.

- F.** THE RANGE MUST BE CONNECTED WITH COPPER WIRE ONLY.



4-wire receptacle (14-50R)

Figure 2

- G.** For mobile home or other four-wire installations, the appliance wiring must be

Con't. from Panel A

revised. The appliance cabinet must not be connected to the neutral terminal, but must be connected to the grounding wire (green) of the power supply cord. (See "Four wire electrical connection" section, Panel C.)

When a four-wire receptacle of NEMA type 14-50R is used (See Figure 2.), a matching, U.L.-listed, 120/240-volt, 50-ampere, range power supply cord (pigtail) must be used. This cord contains four copper conductors with ring terminals on the appliance end, terminating in a NEMA type 14-50P plug on the supply end. The fourth (grounding) conductor must be identified by a green or green/yellow cover and the neutral conductor by a white cover. Cord should be Type SRD or SRDT with a U.L.-listed strain relief and be at least four feet long.

The **MINIMUM** conductor sizes for the copper 4-wire power cord are:

- 50 ampere circuit
- 2, No. 6 conductors
- 1, No. 8 white neutral
- 1, No. 6 green grounding

H. A wiring diagram is included in the tech sheet. The tech sheet is located behind the control panel.

Venting requirements

⚠ WARNING

Fire Hazard

Terminate venting system to the outside.

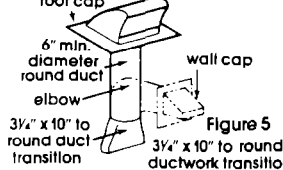
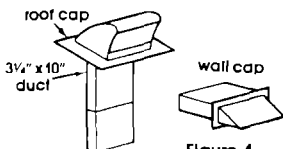
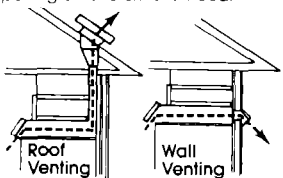
Do Not terminate the vent in an attic or other enclosed space.

Failure to follow these instructions could result in a fire.

Ductwork needed for installation is not included. Wall or roof caps used must have back-draft damper.

Determine which outside venting method needs to be used. Note: If a non-venting (recirculating) installation is desired, you will need to order Non-vent Kit 814023 and follow installation instructions provided with the kit.

The length of ductwork and number of elbows should be kept to a minimum to provide efficient performance. The size of the ductwork should be uniform. Do Not install two elbows together. Use duct tape to seal all joints in duct system. Ductwork can terminate either through the roof or wall. Figures 3-5 show common venting methods and what types of materials are needed. Use caulking to seal exterior wall or roof opening around exhaust hood.

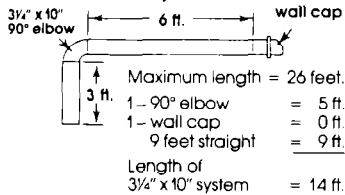


Recommended duct length

Use 3/4" x 10" or 6" duct with a maximum length of 26 feet for duct system. For best performance use no more than

three 90° elbows. To calculate the length of system you need add the equivalent feet for each duct piece used in the system. See the following example.

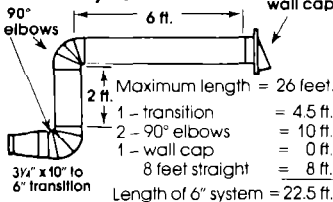
3/4" x 10" duct system



Recommended standard fittings

3/4" x 10" to 6" = 4.5 ft.	6" to 3/4" x 10" 90° elbow = 5 ft.	6" to 3/4" x 10" wall cap = 0 ft.
3/4" x 10" 90° elbow = 5 ft.	3/4" x 10" flat elbow = 12 ft.	3/4" x 10" wall cap = 0 ft.

6" duct system



Recommended standard fittings

3/4" x 10" to 6" = 4.5 ft.	3/4" x 10" to 6" 90° elbow = 5 ft.	6" to 3/4" x 10" 90° elbow = 9 ft.
90° elbow = 5 ft.	6" to 3/4" x 10" = 1 ft.	45° elbow = 2.5 ft.
6" wall cap = 0 ft.		6" wall cap = 0 ft.

Now start...

With range in kitchen.

⚠ WARNING

Personal Injury Hazard

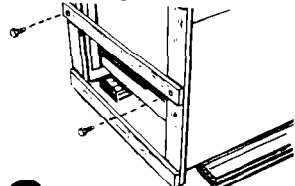
More than one person is required to lift, tilt or move this appliance because of its weight and size.

Failure to follow these instructions may result in personal injury.

- Remove racks and other parts from inside oven.

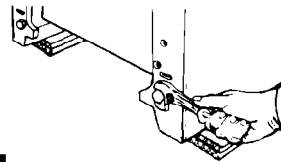


- Take 4 cardboard corners from the carton. Stack one cardboard corner on top of another. Repeat with the other two corners. Place corners lengthwise on the floor in back of range to support range off of skid.



- Firmly grasp the range and gently lay it on its back on the cardboard corners.

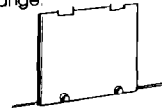
- Remove two 3/8" shipping bolts from the skid. Discard skid and bolts.



- Use adjustable wrench to loosen leveling legs four complete turns.

- Place a piece of the cardboard shipping container on the floor. Stand the range back up on the cardboard.

- Remove shipping materials including clips that hold elements in place, tape and protective film from range.



- Remove terminal block cover located on back of range.

3-wire electrical connection

See Panel C for 4-wire electrical connection.

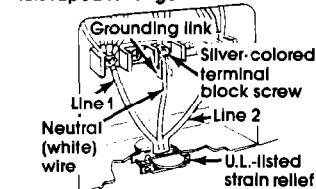


U.L.-listed strain relief

clamping screws

- Use a U.L.-listed strain relief and insert it into the hole below the terminal block. Insert the power cord through the strain relief allowing enough slack to easily attach to terminal block. Do Not loosen factory-installed nuts already installed on the terminal. Be sure that nuts are installed tight.

Use only ring-type terminals to connect power supply. To secure the power supply cord, use the 3/8" brass nuts taped to range.



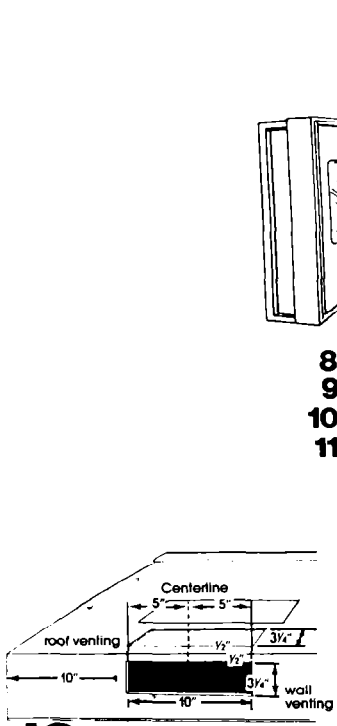
Use this wiring method ONLY if local codes permit connecting frame grounding conductor to neutral wire of power cord.

This appliance is manufactured with neutral terminal connected to the frame. If local codes Do Not permit grounding through the neutral, a four-wire, U.L.-listed, power supply cord rated 240 volts, 50 amperes and investigated for use with ranges must be used. See 4-wire electrical connection, Panel C.

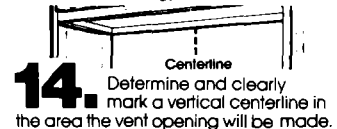
- Connect the neutral (white) wire to the center silver-colored terminal screw on terminal block. Connect the other two wires to the outer terminal screws on the terminal block. Use ring-type terminals only. Connect with the brass nuts taped to the range. Do Not loosen factory-installed nuts already installed on the terminal. Check that nuts are tight to insure proper electrical connection.

- Tighten the strain relief screws. Replace terminal block cover.

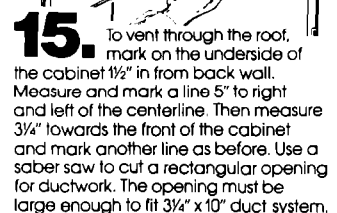
- Determine which venting method (roof or wall venting or ventless) you need to use. This range is manufactured for outside venting. If a non-venting (recirculating) installation is desired, you will need to order Non-vent Kit 814023 and follow installation instructions provided with the kit.



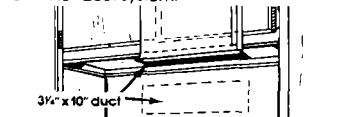
13. Remove cover from appropriate vent opening in hood (roof or wall venting).



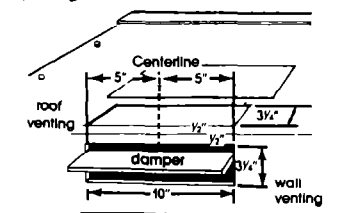
14. Determine and clearly mark a vertical centerline in the area the vent opening will be made.



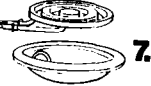
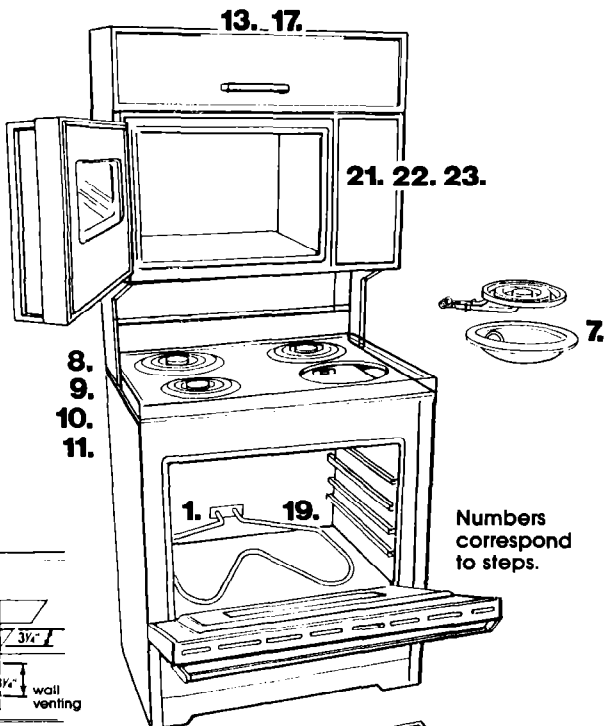
15. To vent through the roof, mark on the underside of the cabinet 1/2 inch from back wall. Measure and mark a line 5 inches to right and left of the centerline. Then measure 3 1/4 inches towards the front of the cabinet and mark another line as before. Use a saber saw to cut a rectangular opening for ductwork. The opening must be large enough to fit 3 1/4 inch x 10 inch duct system.



16. Install duct through the vent opening in the upper cabinet or wall. Complete the venting system according to the method needed. See Venting requirements. Use caulking to seal exterior wall or roof opening around exhaust hood.



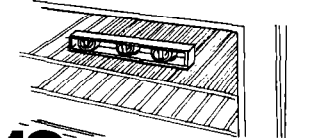
17. Attach damper to selected vent opening. If damper is attached to the back of hood, be sure damper hinge is toward the top.



Numbers correspond to steps.

CAUTION
Floor Damage
Keep cardboard shipping piece under range.
Failure to do so could cause damage to floor covering.

18. Move range close to cabinet opening. Remove cardboard shipping piece from under range. Carefully move range into cabinet opening and center. Connect ductwork to range hood.



19. Place rack in oven. Place level on rack, first side to side then front to back. If the range is not level, remove storage drawer then screw the legs up or down to adjust. Note: Oven must be level for satisfactory baking conditions.

20. Push in and turn each surface unit control knob to "HI" position. Check the operation of the cooktop elements and indicator lights.



21. Check the operation of the oven element. Set the oven selector control knob to "BAKE." Set the oven temperature control to 350°F. The bottom element should glow red and the indicator light should be on. The upper element should become hot but not glow red. The oven indicator light goes off when oven is preheated.

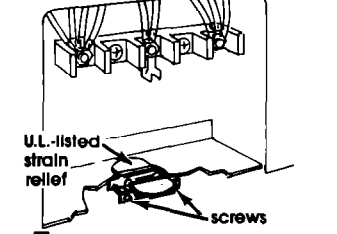


22.

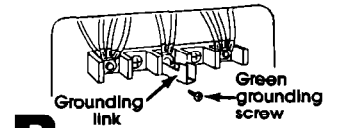


Check the operation of the broil element. Set the oven selector and oven temperature control knobs to "BROIL." The top element should glow red and indicator light should be on.

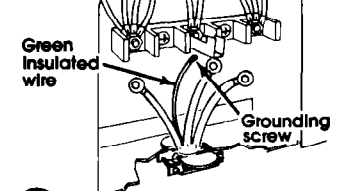
4-wire electrical connection
Use this wiring method for mobile homes and wherever 4-wire installation is required.



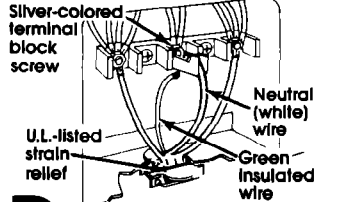
A. Use a U.L.-listed strain relief and insert it into the hole below the terminal block. Insert the power cord through the strain relief allowing enough slack to easily attach to terminal block.



B. Remove the grounding-link from the range cabinet. Save the grounding screw. Bend up the grounding link so that it does not contact the range.



C. Connect the green grounding wire to the range using the grounding screw removed in Step B. The green grounding wire must be attached first and must not contact any other terminal.



D. Connect the neutral (white) wire to the center silver-colored terminal screw on terminal block. Connect the other two wires to the outer terminals on the terminal block. Use ring-type terminals only. Connect the brass nuts that are taped to the frame. Do Not loosen factory installed nuts already on the terminal. Be sure that the nuts are installed tight.

E. Tighten the strain relief screws. Replace access panel.

You have just finished installing your new Whirlpool microwave eye-level range. To get the most efficient use from your new range, read your **Congratulations!** Whirlpool Use & Care Guide. Keep installation instructions and Guide close to range for easy reference. The instructions will make reinstalling your Whirlpool range in another home as easy as the first installation.

If microwave eye-level range does not operate...

Check that the circuit breaker is not tripped or the fuse blown. Check that power supply cord is plugged into wall receptacle.

If you need assistance...

During normal business hours the Whirlpool COOL-LINE® Service will answer any questions about operating or maintaining your range not covered in the installation instructions. The Whirlpool COOL-LINE® Service number is (800) 253-1301. Dial just as you normally dial long distance – the call is free.

When you call, you need the range model number and serial number. Both numbers can be found on the serial/rating plate behind the microwave oven door on the front frame.

If you need service...

In the event your Whirlpool appliance should need service, call the dealer from whom you purchased the appliance or a Whirlpool authorized service company. A Whirlpool authorized service company is in the Yellow Pages of your phone directory listed under "Appliances – Household – Major – Service or Repair." You can also obtain the service company's name and number by dialing, free, within the continental United States the Whirlpool COOL-LINE® Service number, (800) 253-1301. A special operator will tell you the name and number of your nearest Whirlpool authorized service outlet.

Maintain the quality built into your Whirlpool appliance – call a Whirlpool authorized service company.

