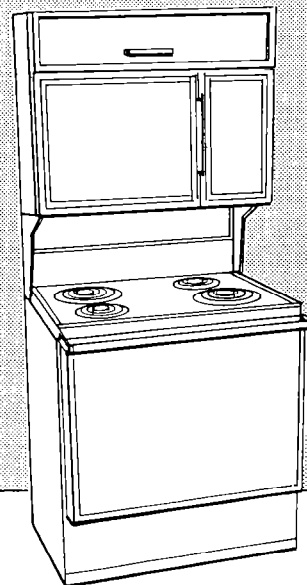


Installation Instructions



Part No. 3147391 Rev. A

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

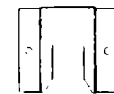


Before you start...

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.

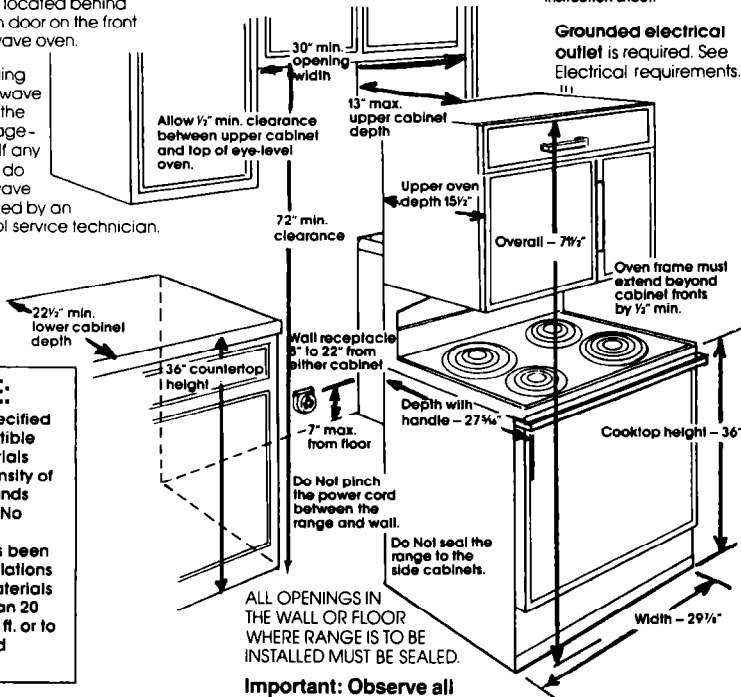
Remove all packaging material from microwave oven cavity. Check the oven area for damage - see For Your Safety. If any damage is evident, do not operate microwave oven until it is checked by an authorized Whirlpool service technician.

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



The anti-tip bracket MUST be installed. For detailed instructions, see Panel 5 and the anti-tip bracket template/instruction sheet.

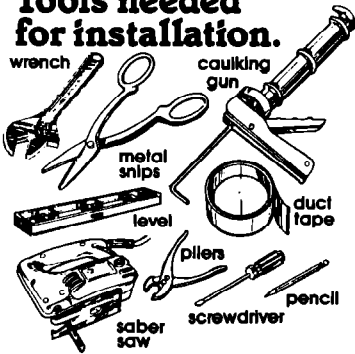
Grounded electrical outlet is required. See Electrical requirements.



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.

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
Batterymarch Park
Quincy, Massachusetts 02269

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 250 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. 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 all 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 all 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 U.L.-listed, 250-volt, 50-ampere, range power supply cord (pigtail). The plug must match 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 copper 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 cable. 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

Cont. 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 4-wire receptacle of NEMA type 14-50R is used (See Figure 2), a matching U.L.-listed, 4-wire, 250-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 roofcaps used must have back-draft damper.

Determine which outside venting method needs to be used. Note: If a non-venting (recirculating) installation is desired, follow installation instructions on the back cover.

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.

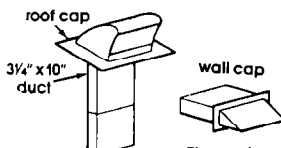
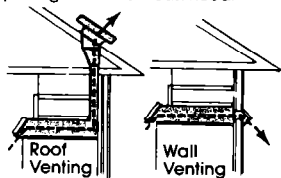


Figure 3
3 1/2" x 10"
through the roof

Figure 4
3 1/2" x 10"
through wall

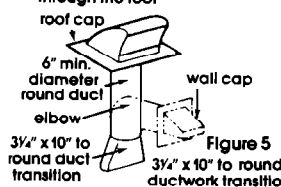
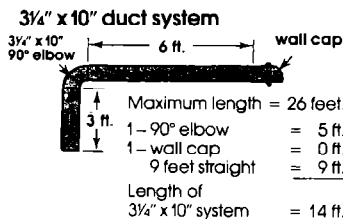


Figure 5
3 1/2" x 10" to round
ductwork transition

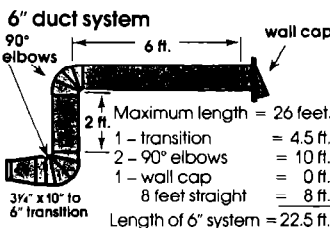
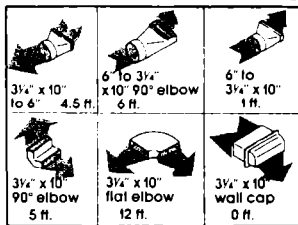
Recommended duct length

Use 3 1/2" x 10" or 6" duct with a maximum length of 26 feet for duct system. For best performance use no more than

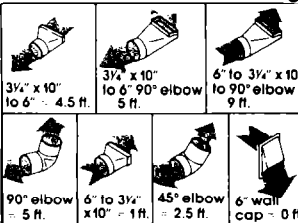
three 90° elbows. To calculate the length of system you need add the equivalent feet for each duct piece used in the system. See the following example.



Recommended standard fittings



Recommended standard fittings



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.

1. Remove racks and other parts from inside oven.

2. 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.

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

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

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

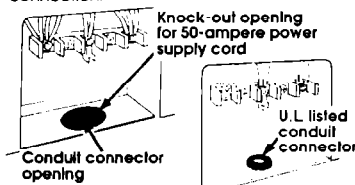
6. Place a piece of the cardboard shipping container on the floor. Stand the range back up on the cardboard.

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

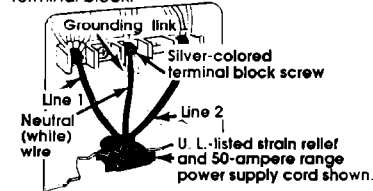
8. Remove terminal block cover located on back of range.

3-wire electrical connection

See Panel C for 4-wire electrical connection.



9. If appliance is to be connected directly to fused disconnect or circuit breaker box: Assemble a U.L.-listed conduit connector in the conduit connector opening provided. Insert the power supply cable through the conduit connector, allowing enough slack to easily attach the wiring to the terminal block.



If a U.L.-listed, 50-ampere range power supply cord (pigtail) is used:

Remove the knockout for the 50-ampere power supply cord.

Assemble a U.L.-listed strain relief in the hole. Insert the power supply cord through the strain relief, allowing enough slack to easily attach the wiring to the terminal block.

Do not loosen the factory installed nuts already installed on the terminal block.

Use only ring-type terminals to connect the power supply. To secure the power supply cord, use the brass nuts attached to the terminal block cover.

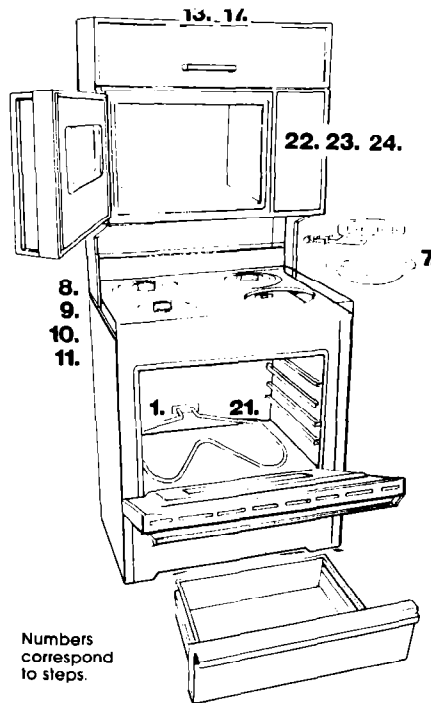
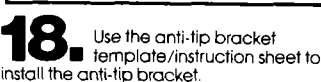
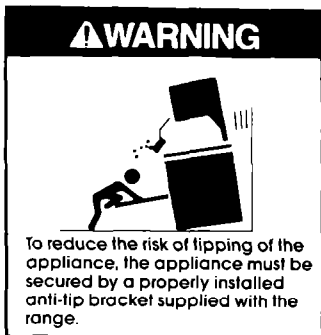
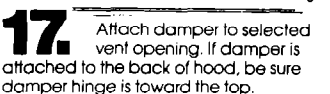
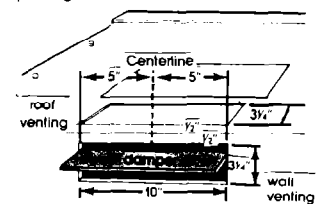
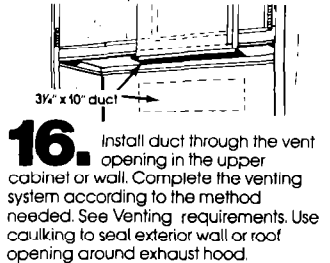
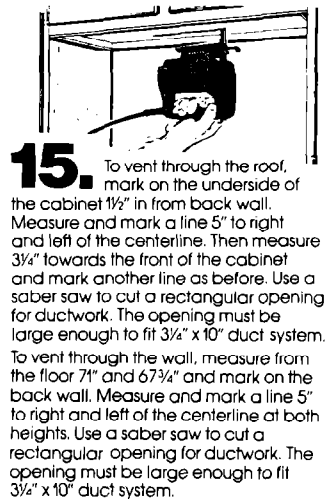
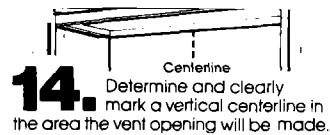
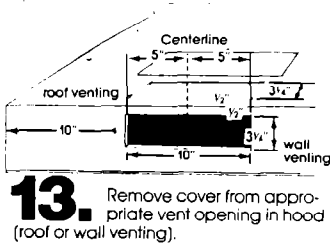
Use this wiring method **ONLY** if local codes permit connecting frame grounding conductor to neutral wire of power cord.

This appliance is manufactured with the 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 250 volts, 50 amperes and investigated for use with ranges must be used. See 4-wire electrical connection Panel C.

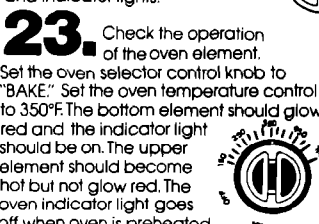
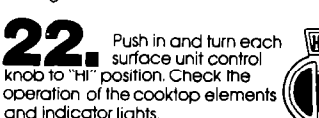
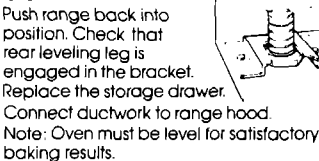
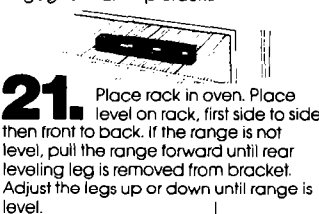
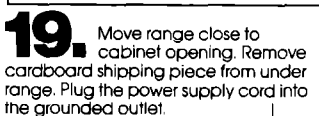
10. Connect the neutral (white) wire to the silver-colored terminal screw on the terminal block. Connect the other two wires to the outer terminal screws on the terminal block. Use ring-type terminals only. Connect with the brass nuts attached to the terminal block cover. Check that nuts are tight to insure proper electrical connection.

11. Tighten the strain relief clamping screws or the locking ring and clamping screws of the conduit connector. Replace terminal block cover.

12. 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, follow installation instructions on the back cover.

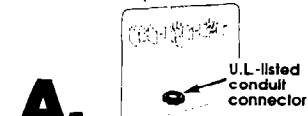


Numbers correspond to steps.

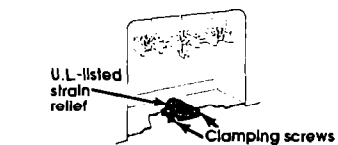


4-wire electrical connection

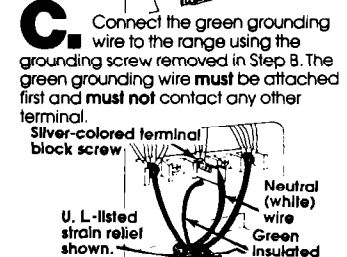
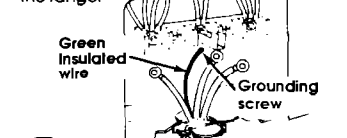
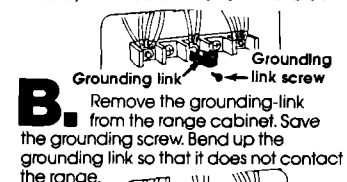
Use this wiring method for mobile homes and whenever 4-wire installation is required.



A. If appliance is to be connected directly to fused disconnect or circuit breaker box: Assemble a U.L.-listed conduit connector in the conduit connector opening provided. Insert the power supply cable through the conduit connector, allowing enough slack to easily attach the wiring to the terminal block.

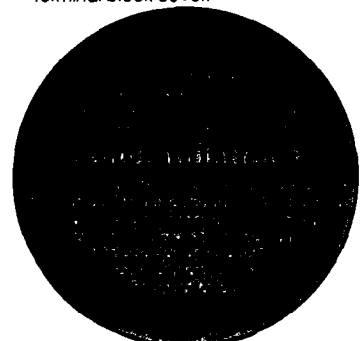


If a U.L.-listed, 50-ampere range power supply cord (pigtail) is used: Remove the knockout for the 50-ampere power supply cord. Assemble a U.L.-listed strain relief in the hole. Insert the power supply cord through the strain relief, allowing enough slack to easily attach the wiring to the terminal block. Do not loosen the factory installed nuts already installed on the terminal block.



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

E. Tighten the strain relief clamping screws or the locking ring and clamping screws of the conduit connector. Replace the terminal block cover.



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.

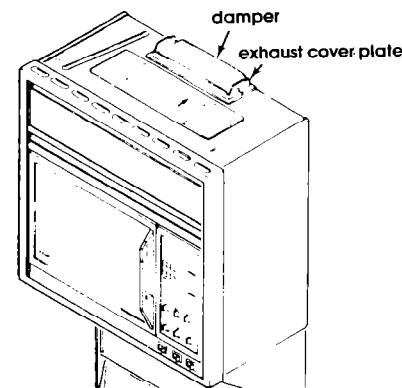
If you need service...

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 listed in the Yellow Pages of your phone directory 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 company.

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



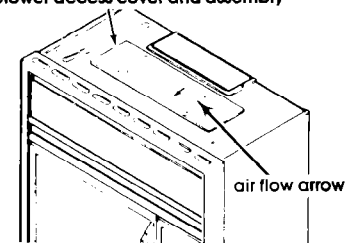
Non-Vent Kit Installation



1. Remove one of the rear exhaust cover plates. One cover plate must cover the rear exhaust.

2. Remove the damper. Replace damper with exhaust cover plate.

blower access cover and assembly



3. Remove the four screws that attach the blower access cover to top of range. Lift the blower assembly from unit and rotate 180°. Replace assembly and check that wiring is not pinched. Use the four screws to reattach cover.

Note: Air flow arrow should now point to the front of range.