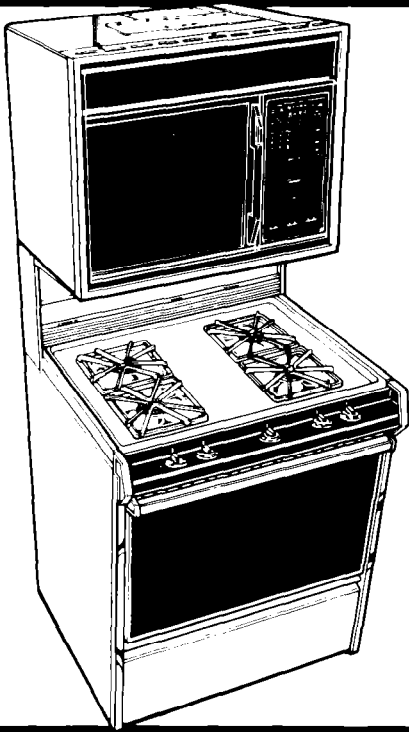


Installation Instructions



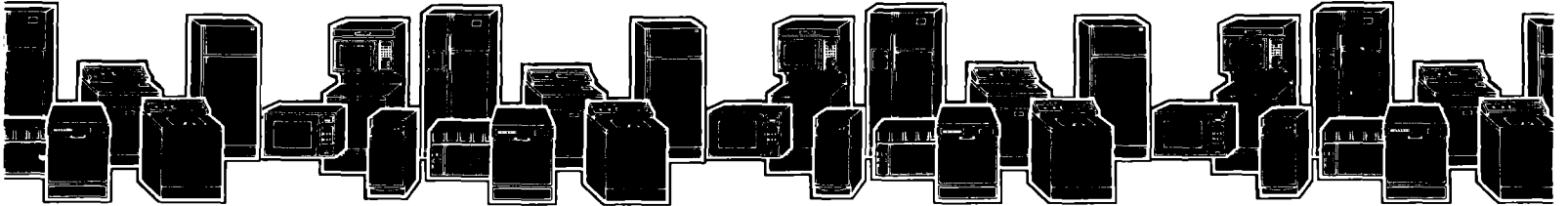
Whirlpool

Home Appliances

IMPORTANT:
INSTALLER: Leave Installation
Instructions with the homeowner.
HOMEOWNER: Keep Installation
Instructions for future reference.

**30" Eye-level
Microwave
Continuous Cleaning
Gas Range**

ic Washers, Clothes Dryers, Freezers, Refrigerators-Freezers, Ice Makers, Dishwashers, Built-In Ovens and Surface Units, Ranges, Microwave Ovens, Compactors, Room Air Conditioners, Dehumidifiers, Automatic Washers, Clothes Dryers, Freezers, Refrigerators-Freezers, Ice Makers, Dishwashers, Built-In O

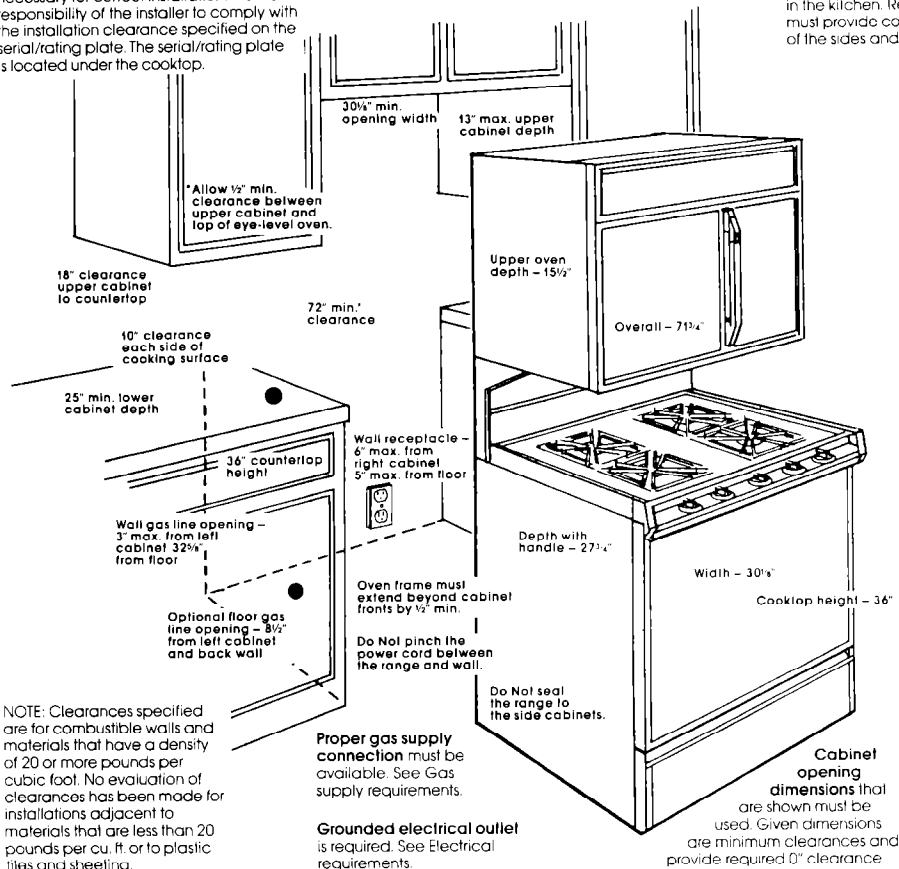


Before you start...

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 under the cooktop.

ALL OPENINGS IN THE WALL OR FLOOR WHERE THE RANGE IS TO BE INSTALLED MUST BE SEALED.

Check location where range will be installed. The range should be located away from strong draft areas, such as windows, doors and strong heating vents or fans. The range should be located for convenient use in the kitchen. Recessed installations must provide complete enclosure of the sides and rear of range.



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

WARNING: Reaching over heated surface burners causes risk of being burned. To reduce risk, installation of cabinet storage above surface units should be avoided.

Important: Observe all governing codes and ordinances.

Mobile home installation

The installation of this range must conform to the Manufactured Home Construction and Safety Standards, Title 24 CFR, Part 32-80 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, Part 280).

Copies of the standards listed may be obtained from:

- ** National Fire Protection Association
Battery March Park
Quincy, Massachusetts 02269
- *** American Gas Association
1515 Wilson Boulevard
Arlington, Virginia 22209

FOR YOUR SAFETY

Do not obstruct the flow of combustion and ventilation air.

FOR YOUR SAFETY

The maximum gas supply pressure for this gas range must not exceed 14 inches W.C.P.

FOR YOUR SAFETY

To avoid possible exposure to excessive microwave energy:

1. Do not attempt to operate this oven with the door open. Open-door operation can result in harmful microwave energy exposure.
2. Do not tamper with or defeat the safety interlocks.
3. Do not place objects between the oven front face and the door.
4. Do not allow soil or cleaner residue to accumulate on sealing surface of door.
5. Do not operate oven if damaged. The door **MUST** close properly to provide safe operation. Do not use the microwave if:
 - door is bent.
 - hinges and latches are broken or loose.
 - door seals, sealing surfaces or glass is broken.
 The oven should only be adjusted and repaired by a qualified repair person.
6. Have a qualified repair person check oven for microwave leakage after a repair is made.

FOR YOUR SAFETY

If you smell gas:

1. Open windows.
2. Don't touch electrical switches.
3. Extinguish any open flame.
4. Immediately call your gas supplier.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

FOR YOUR SAFETY

Special care must be taken when drilling holes into the wall. Electrical wires may be concealed behind wall covering.

WARNING:

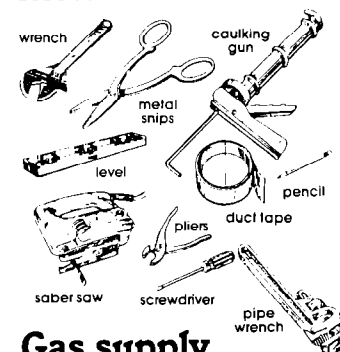
It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure that electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70-1987** and local codes and ordinances.

WARNING:

The microwave oven in this unit is designed for household use only. Do not use microwave for commercial purposes.

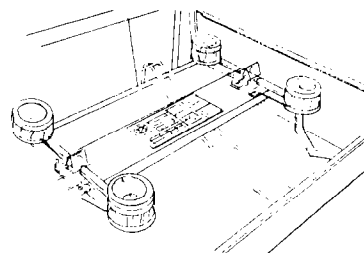
Tools needed for installation:



Gas supply requirements

Observe all governing codes and ordinances.

A. This installation must conform with local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1-1984.***



B. Input ratings shown on the serial/rating plate are for elevations up to 2,000 feet. For elevations above 2,000 feet, ratings should be reduced at a rate of 4% for each 1,000 feet above sea level.

C. This range is equipped for use with NATURAL gas. It is certified by A.G.A. for NATURAL and L.P. gases with appropriate conversion. The serial/rating plate located under the cooktop has information on the type of gas that can be used. If this information does not agree with the type of gas available, check with the local gas supplier. See back cover for L.P. gas conversion instructions.

D. Provide a gas supply line of 3/4" rigid pipe to the range location. A smaller size pipe on long runs may result in insufficient gas supply. Pipe joint compounds resistant to the action of L.P. gas must be used. With L.P. gas, piping or tubing size can be 1/2" minimum. L.P. gas suppliers usually determine the size and materials used on the system.



E. If local codes permit, A.G.A. approved flexible metal tubing is recommended for connecting this range to the gas supply line. Do Not kink or damage the flexible tubing when moving the range. A 1/2" male pipe thread is needed for connection to pressure regulator female pipe threads.



F. The supply line should be equipped with a shut-off valve. This valve should be located in the same room as the range and should be in a location that allows ease of opening and closing. Do Not block access to shut-off valve.



G. If rigid pipe is used as a gas supply line, a combination of pipe fittings must be used to obtain an in-line connection to the range. All strains must be removed from the supply and fuel lines so range will be level and in line.

H. The inlet pressure to the regulator should be as follows for both operation and checking regulator setting:

NATURAL GAS:
Minimum pressure 6 inches
Maximum pressure 14 inches

L.P. GAS:
Minimum pressure 11 inches
Maximum pressure 14 inches

I. Line Pressure Testing

Testing above 1/2 lb. PSI (Gauge)

The range and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2 psig (3.5 kPa).

Testing at 1/2 lb. PSI (Gauge) or lower

The range must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Electrical requirements

DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

A 120 Volt, 60 Hz, AC only, 20 Ampere, fused electrical supply is required. A time delay fuse or circuit breaker is recommended. It is recommended that a separate circuit serving only this appliance be provided.

WARNING: AN EXTENSION CORD SHOULD NOT BE USED WITH THIS APPLIANCE. SUCH USE MAY RESULT IN A FIRE, ELECTRICAL SHOCK, OR OTHER PERSONAL INJURY.

Wiring diagrams are included on the back cover of these instructions. A technical sheet that includes the wiring diagrams can be found behind the control panel.

Recommended grounding method

DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE POWER SUPPLY CORD GROUNDING PRONG.

For your personal safety, this appliance must be grounded. This appliance is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong grounding type wall receptacle, grounded in accordance with the National Electrical Code, ANSI/NFPA 70-1987** and local codes and ordinances. See Figure 1. If a mating wall receptacle is not available, it is the personal responsibility and obligation of the customer to have a properly grounded 3-prong wall receptacle installed by a qualified electrician.

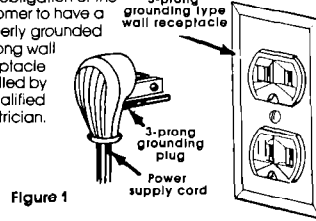


Figure 1

Temporary grounding method

DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE POWER SUPPLY CORD GROUNDING PRONG.

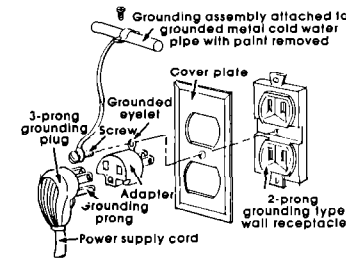


Figure 2

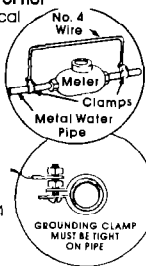
Electrical ground is required on this appliance.

If changing and properly grounding the wall receptacle is impossible and where local codes permit (consult your electrical inspector), a temporary adapter may be plugged into the existing 2-prong wall receptacle to mate with the 3-prong power supply cord.

If this is done, you must connect a separate copper grounding wire (No. 18 minimum) to a grounded cold water pipe* by means of a clamp and then to the external grounding connector screw.

Do Not ground to a gas supply pipe or hot water pipe. Do Not connect to electrical supply until appliance is permanently grounded. See Figure 2.

*Grounded cold water pipe must have metal continuity to electrical ground and not be interrupted by plastic, rubber or other electrically insulating connectors such as hoses, fittings, washers or gaskets (including water meter or pump). Any electrical insulating connector should be jumped as shown with a length of No. 4 wire securely clamped to bare metal at both ends.



Venting requirements

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 nonventing (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.

Venting system must terminate to the outside. DO NOT terminate the vent in an attic or other enclosed space. This may result in a fire hazard.

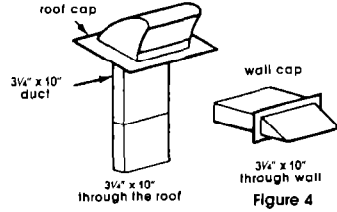
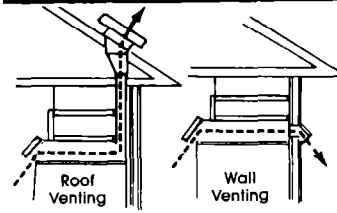


Figure 3

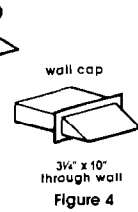


Figure 4

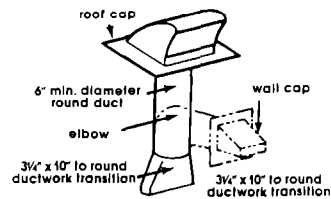
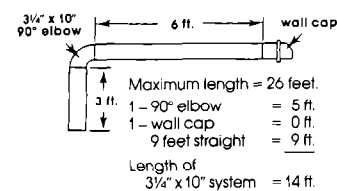


Figure 5

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:

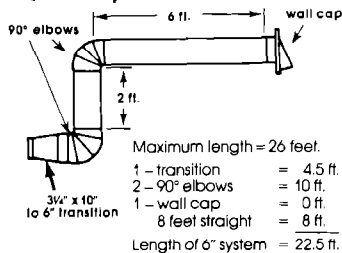
3/4" x 10" duct system



Recommended standard fittings

3/4" x 10" 90° elbow to 6" = 4.5 ft.	6" to 3/4" x 10" 90° elbow = 6 ft.	6" to 3/4" x 10" wall cap = 1 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



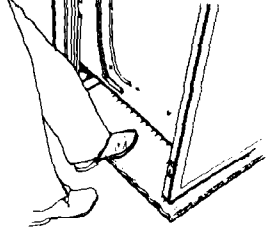
Recommended standard fittings

3/4" x 10" to 6" = 4.5 ft.	6" to 3/4" x 10" 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.	6" wall cap = 0 ft.

Now start...

With range in kitchen.

1. Remove racks and other parts from inside oven.



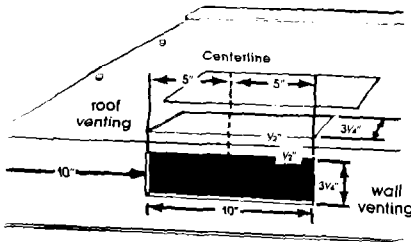
Use caution when tilting the range. The added weight of the microwave oven will make range unstable when tilted.

2. Place one foot on the shipping base. Tilt range forward slightly to free rear legs. Gently lower range to floor. Tilt range backwards until front legs are free.

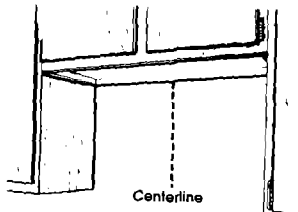
3. Remove shipping materials, tape and protective film from range. Do not remove cardboard shipping base at this time.

4. Adjust the leveling legs to a point where the range base does not touch the floor.

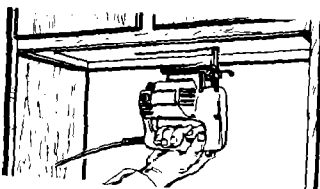
5. Determine which venting method (roof or wall venting or ventless) you need to use. This range is manufactured for outside venting. If a nonventing (recirculating) installation is desired, you will need to order Non-vent Kit 814023 and follow installation instructions provided with the kit.



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



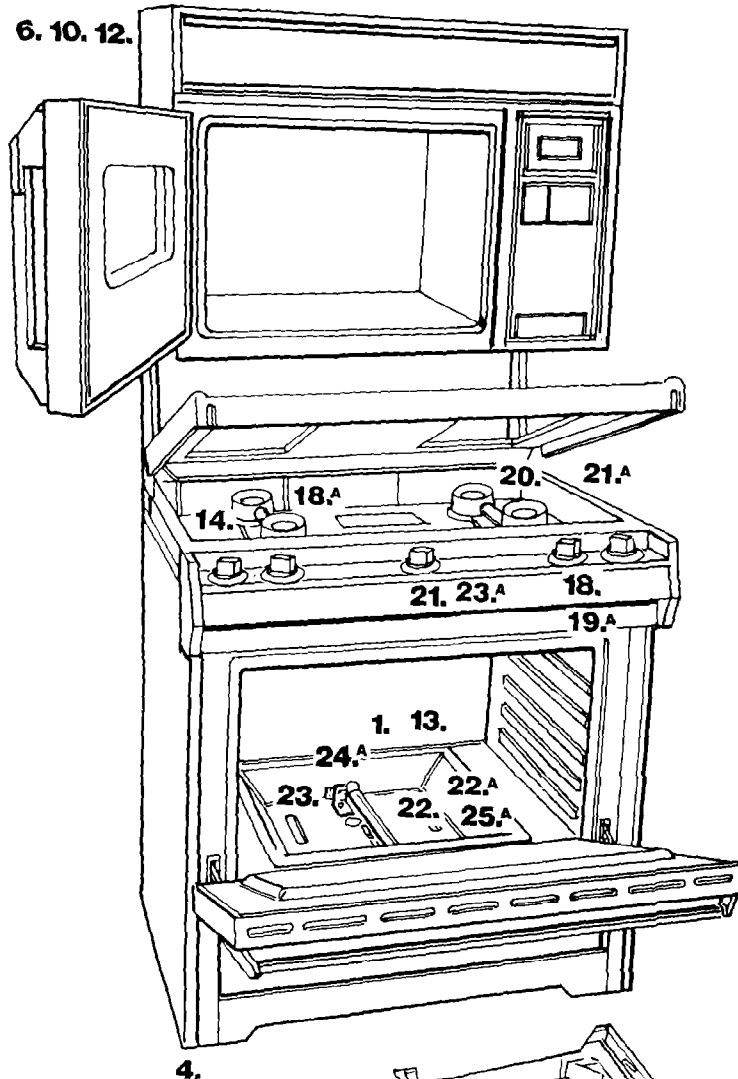
7. Determine and clearly mark a vertical line in the area the vent opening will be made.



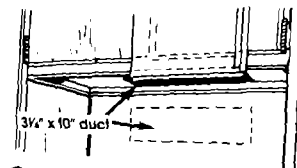
8. To vent through the roof, mark on the underside of the cabinet 1 1/2" from back wall. Measure and mark a line 5" to right and left of the centerline. Then measure 3 1/4" towards the front of the cabinet and mark another line as before. Use a saber saw to cut a rectangular opening for ductwork. The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

To vent through the wall, measure from the floor 71" and 67 1/4" and mark on the back wall. Measure and mark a line 5" to right and left of the centerline at both heights. Use a saber saw to cut a rectangle opening for ductwork. The opening must be large enough to fit 3 1/2" x 10" duct system.

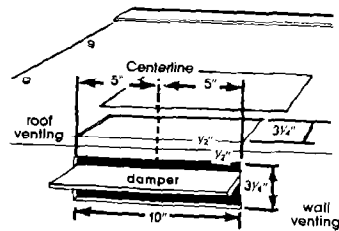
6. 10. 12.



Numbers correspond to steps



9. 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.

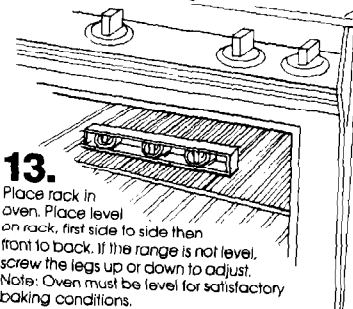


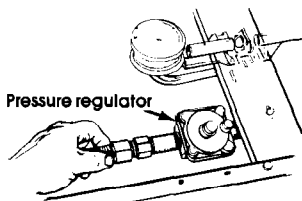
10. Attach damper to selected vent opening. If damper is attached to the back of hood, be sure damper hinge is toward the top.

11. Plug the electrical cord into the grounded outlet.

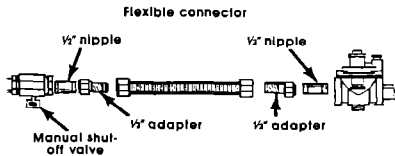
Use caution when moving this appliance to prevent damage to floor coverings. Before moving, make sure cardboard shipping piece is under range to prevent floor damage.

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





14. Assemble the flexible connector from the gas supply pipe to the pressure regulator in this order: manual shutoff valve, 1/2" nipple, 1/2" nipple, 1/2" adapter, flexible connector, 1/2" adapter, and 1/2" nipple.



WARNING: THE REGULATOR IS DIE CAST. IF THE CONNECTION IS MADE TOO TIGHT, IT WILL CRACK, RESULTING IN A GAS LEAK AND POSSIBLE FIRE OR EXPLOSION.

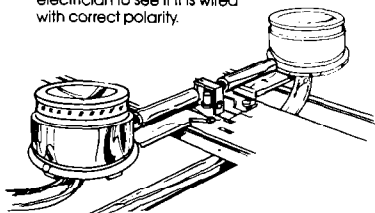
15. Use pipe joint compound resistant to the action of L.P. gas to seal all gas connections. Check that the shutoff valve is open between the regulator and gas valves. If flexible connectors are used, be certain connectors are not kinked.

16. Open the shutoff valve in the gas supply line. Wait a few minutes for gas to move through the gas line.

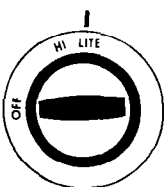
17. Use a brush and liquid detergent to test all gas connections for leaks. Bubbles around connections will indicate a leak. If a leak appears, shut off gas valve controls and adjust connections. Then check connections again. **NEVER TEST FOR GAS LEAKS WITH A MATCH OR OTHER FLAME.** Clean all detergent solution from range.

Electronic Ignition System – initial lighting and gas flame adjustments.

Electronic ignition systems operate within wide voltage limits, but proper grounding and polarity is necessary. In addition to checking that the outlet provides 120 volt power and is correctly grounded, the outlet must be checked by a qualified electrician to see if it is wired with correct polarity.



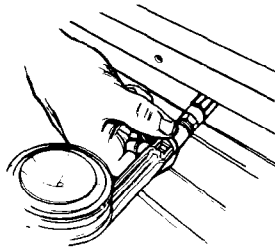
Cooktop and lower oven burner use electronic igniters in place of standing pilots. When the cooktop control knob is turned to the "LITE" position, the system creates a spark to light the burner. This sparking continues until the control knob is turned to the desired setting. When the oven control is turned on, the sparking will continue until oven pilot ignites. Then the sparking stops automatically.



18. Check the operation of the cooktop burners. Push in and turn each control knob to "LITE" position. The flame should light within 4 seconds. **Do Not leave the knob in the "LITE" position after burner lights.**



19. After burner lights, turn control knob to "HI" position. Check each cooktop burner for proper flame. The small inner cone should have a very distinct blue flame 1/4" to 1/2" long. The outer cone is not as distinct as the inner cone.



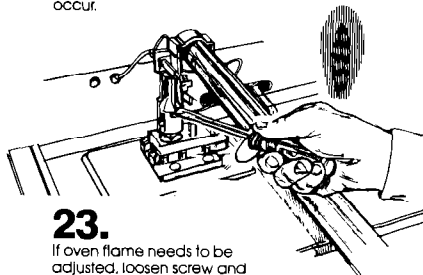
20. If burners need adjusting for proper flame, adjust the air shutter to the widest opening that will not cause the flame to lift or blow off of the burner. Repeat as necessary with each burner.



21. Check the operation of the oven burner. Push in and turn the oven control knob to 300°F. **The oven burner should light in 50 to 60 seconds. This delay is normal.** The oven safety valve requires a certain time before it will open and allow gas to flow.

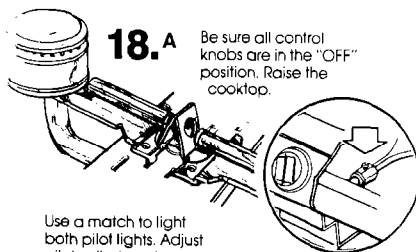
Do Not attempt to insert any object into the openings of the protective shield that surrounds the igniter coil. Do not clean this area.

22. Check the oven burner for proper flame. This flame should be 1/2" long, with inner cone of bluish-green, and outer mantle of dark blue, and should be clean and soft in character. No yellow tips, blowing or lifting of flame should occur.



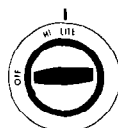
23. If oven flame needs to be adjusted, loosen screw and adjust the air shutter until the proper flame appears. Tighten screw.

Standing Pilot Systems

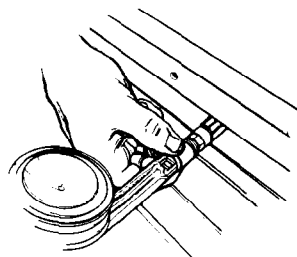


18.A Be sure all control knobs are in the "OFF" position. Raise the cooktop.

Use a match to light both pilot lights. Adjust pilot adjustment screw so pilot flame tip is 1/4" to 3/8" high and centered in the hole in the pilot housing. If the flame is too high, carbon (soot) will accumulate under the cooktop.

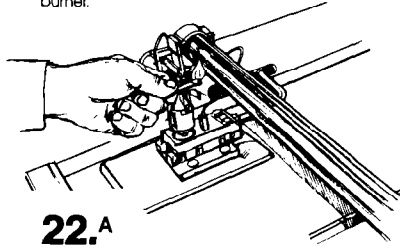


19.A Check the operation of the cooktop burners. Push in and turn each control knob to "LITE" position. The flame should light within 4 seconds. **Do Not leave the knob in the "LITE" position after burner lights.**



20.A After burner lights, turn control knob to "HI" position. Check each cooktop burner for proper flame. The small inner cone should have a very distinct blue flame 1/4" to 1/2" long. The outer cone is not as distinct as the inner cone.

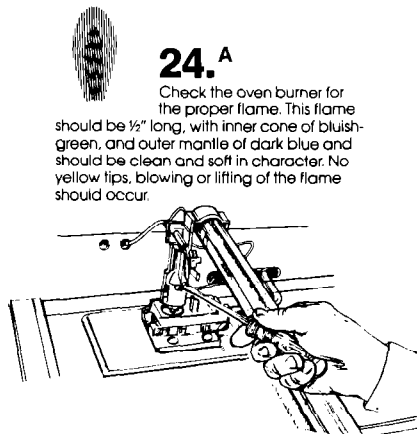
21.A If burners need adjusting for proper flame, adjust the air shutter to the widest opening that will not cause the flame to lift or blow off of the burner. Repeat as necessary with each burner.



22.A Make sure the oven control knob is in the "OFF" position. Remove the lower oven rack and oven bottom. Hold a lighted match to the opening in the top of the pilot at the rear of the oven burner. No pilot adjustments are required.



23.A Check the operation of the oven burner. Push in and turn the oven control knob to 300°F. **The oven burner should light in 50 to 60 seconds. This delay is normal.** The oven safety valve requires a certain time before it will open and allow the gas to flow.



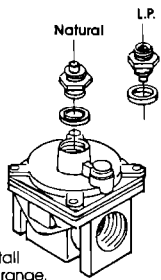
24.A Check the oven burner for the proper flame. This flame should be 1/2" long, with inner cone of bluish-green, and outer mantle of dark blue and should be clean and soft in character. No yellow tips, blowing or lifting of the flame should occur.

25.A If oven flame needs to be adjusted, loosen screw and adjust the air shutter until the proper flame appears. Tighten screw. Replace oven bottom and bottom rack.

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 and 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.

L.P. gas conversion

Converting to L.P. gas should be done by a qualified installer.

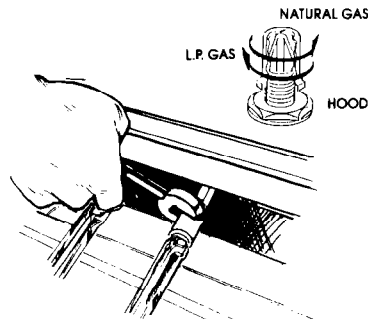


A.

Only a qualified installer should install or adjust your gas range.
Pressure Regulator:
 Use a wrench to unscrew the cap from the top by turning counter-clockwise. Turn the cap over so the hole end is up. Replace the cap and gasket on the regulator. **DO NOT REMOVE THE PRESSURE REGULATOR.**

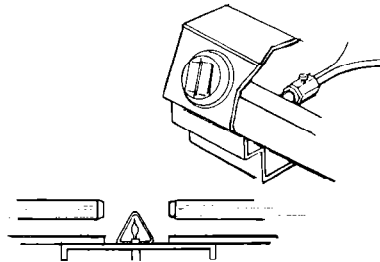
B.

After the gas line is connected, check for leaks. Use a brush and liquid detergent to test all gas connections for leaks. Bubbles around connections will indicate a leak. If a leak appears, shut off gas valve controls and adjust connections. Then check connections again. **NEVER TEST FOR GAS LEAKS WITH A MATCH OR OTHER FLAME.**

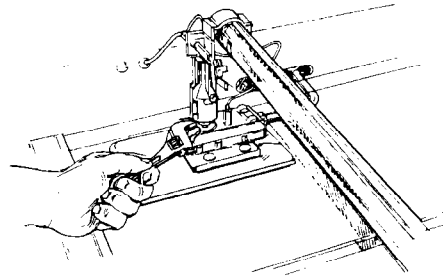


C.

Cooktop Burners: Screw the orifice hoods down 2 to 2½ turns. **DO NOT OVERTIGHTEN.** The burner flames cannot be properly adjusted if this conversion is not made. Adjust the air shutters for proper flame. See Panel D, Step 20 for electrical ignition systems or Step 20A for standing pilot systems. L.P. gas has a slightly yellow tip on top of burner flames in addition to the other proper characteristics.

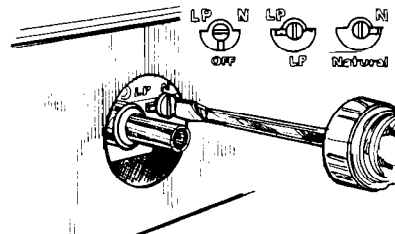


Cooktop burners with standing pilots require adjustment of pilot flame to ½" high. The adjustment control is located under the manifold pipe or at pilot flame base depending on the model.



D.

Oven Burner: Remove oven racks and lower panel from oven bottom. Screw the orifice hood down 2 to 2½ turns. **DO NOT OVERTIGHTEN.** The burner flame cannot be adjusted properly if this conversion is not made. The burner flame should be ½" long when air shutter is correctly adjusted. Adjust the air shutter as needed. See Panel D, Step 23 for electronic ignition systems or Step 25A for standing pilot systems. Replace oven bottom and racks.

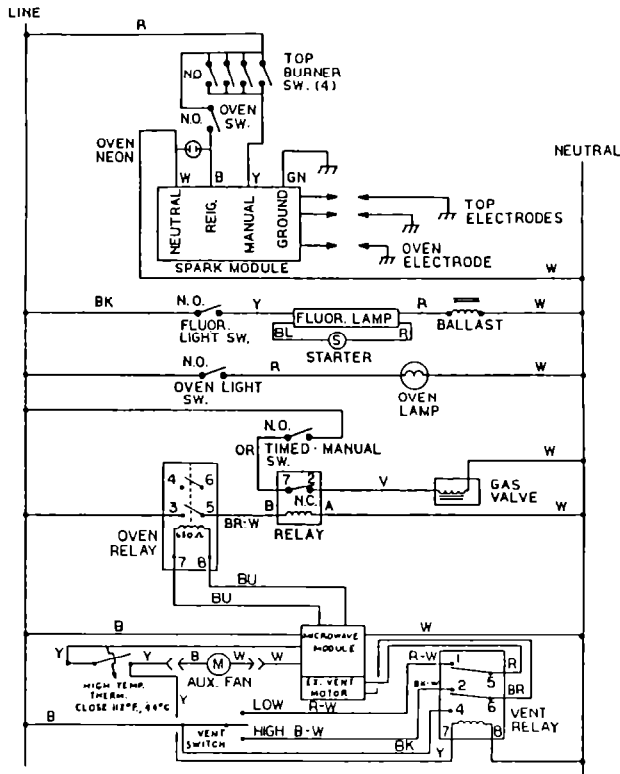


E.

Oven Thermostat: Remove thermostat knob, pulling straight off. Use a small screwdriver to rotate the key to L.P. Replace thermostat knob.

F.

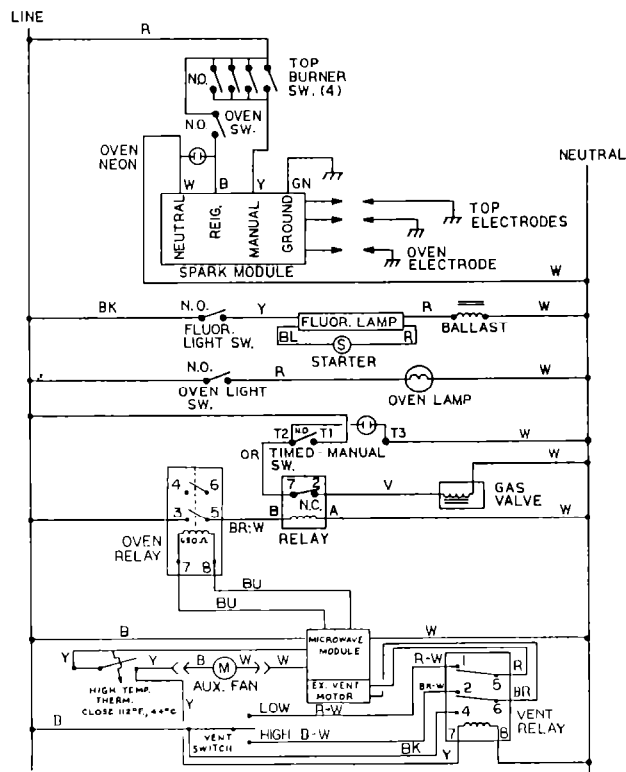
After the burners have been converted to L.P. gas usage, check for leaks as in Step B.



NOTES:

1. ALL WIRES 18 GA. 105°C UNLESS OTHERWISE NOTED.
2. CONNECT ONLY TO SINGLE PHASE A.C. SERVICE AS INDICATED ON THE RANGE SERIAL PLATE.
3. FOR COMPLETE WIRING SCHEMATIC OF MICROWAVE MODULE SEE TECH SHEET LOCATED BEHIND CONTROL PANEL OF MICROWAVE OVEN.

LOWER OVEN MODEL SM958PE5



NOTES:

1. ALL WIRES 18 GA. 105°C UNLESS OTHERWISE NOTED.
2. CONNECT ONLY TO SINGLE PHASE A.C. SERVICE AS INDICATED ON THE RANGE SERIAL PLATE.
3. FOR COMPLETE WIRING SCHEMATIC OF MICROWAVE MODULE SEE TECH SHEET ATTACHED TO INSIDE OF RIGHT SIDE UPPER END PANEL.

LOWER OVEN MODEL SM958PE5-1

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 located under the cooktop.

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 franchised TECH-CARE® service company. He is in the Yellow Pages of your phone directory listed under "Appliances – Household – Major – Service or Repair." You can also obtain his 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 TECH-CARE® service outlet.

Maintain the quality built into your Whirlpool appliance – call TECH-CARE® Service.

If you prefer to write...

Please include in your letter the model number, serial number, date of purchase and a complete description of your request or problem. This information will help us to provide exactly the assistance you need. Address your letter to:

Mr. Robert Stanley
Division Vice President
Whirlpool Corporation
2000 M-63 North
Benton Harbor, MI 49022

