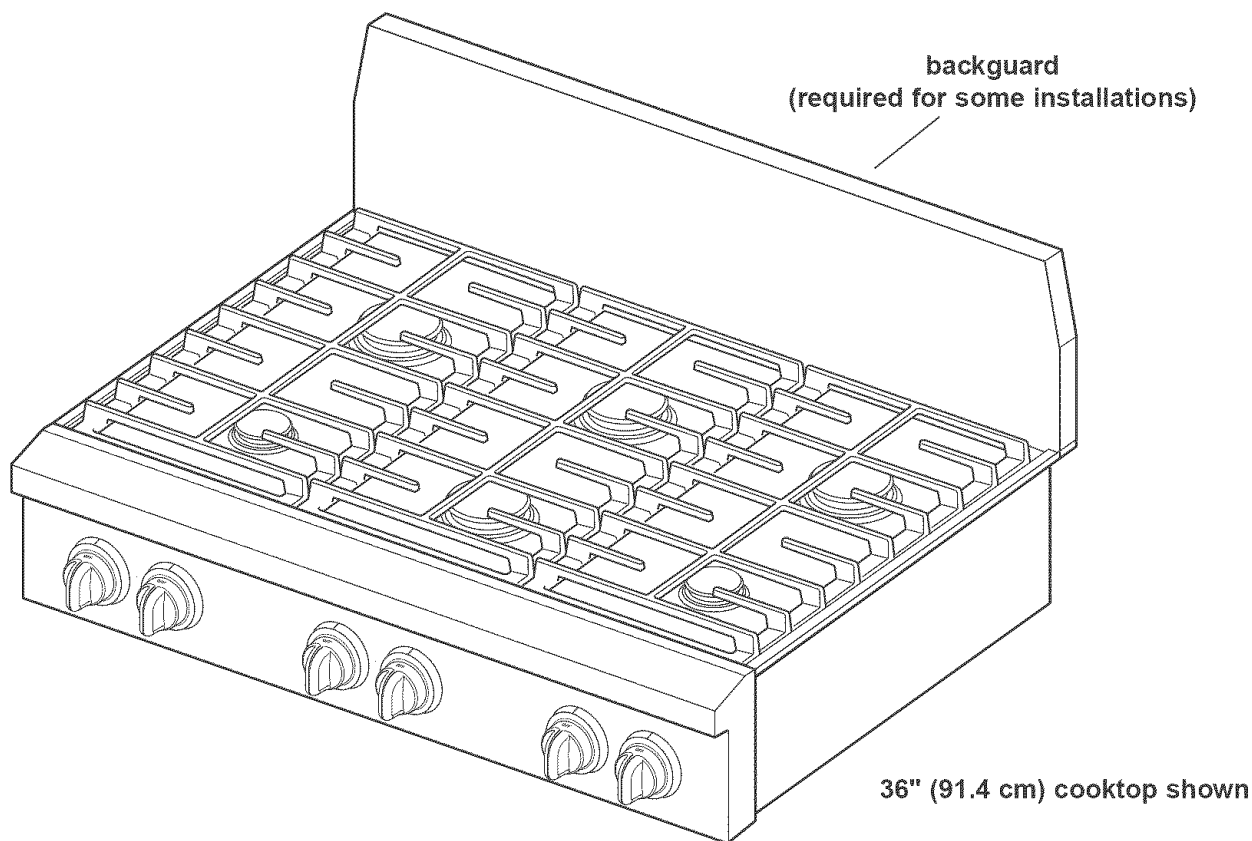


# Installation Instructions

## 36" (91.4 cm) and 48" (121.9 cm)

### Professional Gas Cooktop

for residential use only



36" (91.4 cm) cooktop shown



**KitchenAid**<sup>®</sup>  
FOR THE WAY IT'S MADE<sup>®</sup>

Questions regarding features, operation, performance, parts or service? Call 1-800-422-1230 or visit our web site at [www.kitchenaid.com](http://www.kitchenaid.com).

**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.

Write down the model and serial numbers before installing cooktop.

Both numbers are on the model/serial number plate, located on the left front underside of the cooktop burner box.

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

Part No. 8284670

# Before you start...

**Your safety and the safety of others are very important.**

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING".

These words mean:

## **! DANGER**

You can be killed or seriously injured if you don't immediately follow instructions.

## **! WARNING**

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

**Important: Observe all governing codes and ordinances.**

**WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.**

- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**
- **WHAT TO DO IF YOU SMELL GAS**
  - **Do not try to light any appliance.**
  - **Do not touch any electrical switch.**
  - **Do not use any phone in your building.**
  - **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
  - **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

**Note:** This cooktop is manufactured for use with Natural gas. To convert to L.P./Propane gas, see the Gas Conversion instructions provided in literature package.

**Proper gas supply connection** must be available. See "Gas supply requirements," Page 5.

**Proper installation** is your responsibility. Have a qualified technician install this cooktop.

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 model/serial rating plate. The model/serial rating plate can be found on the underside of the cooktop burner box.

It is recommended that an overhead vent hood be used with this cooktop. For island installations, a 48" (122 cm) hood is recommended.

**Check location** where cooktop will be installed. The location should be away from strong draft areas, such as windows, doors and strong heating vents or fans.

Do not obstruct flow of combustion and ventilation air.

All openings in the wall or floor where the cooktop is to be installed must be sealed.

**Electrical ground** is required. See "Electrical Requirements," Page 6.

**It is the customer's responsibility:**

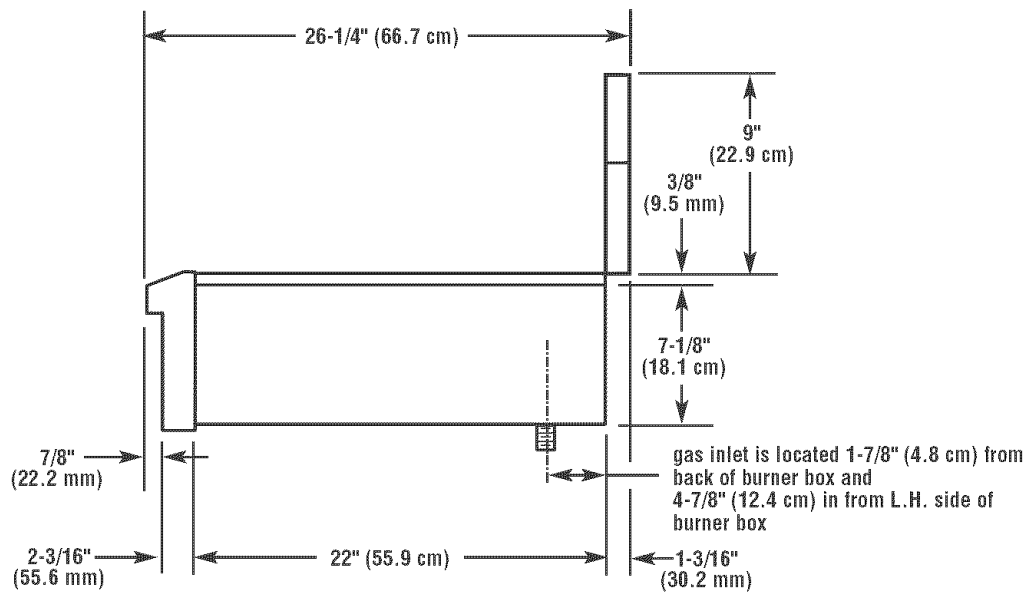
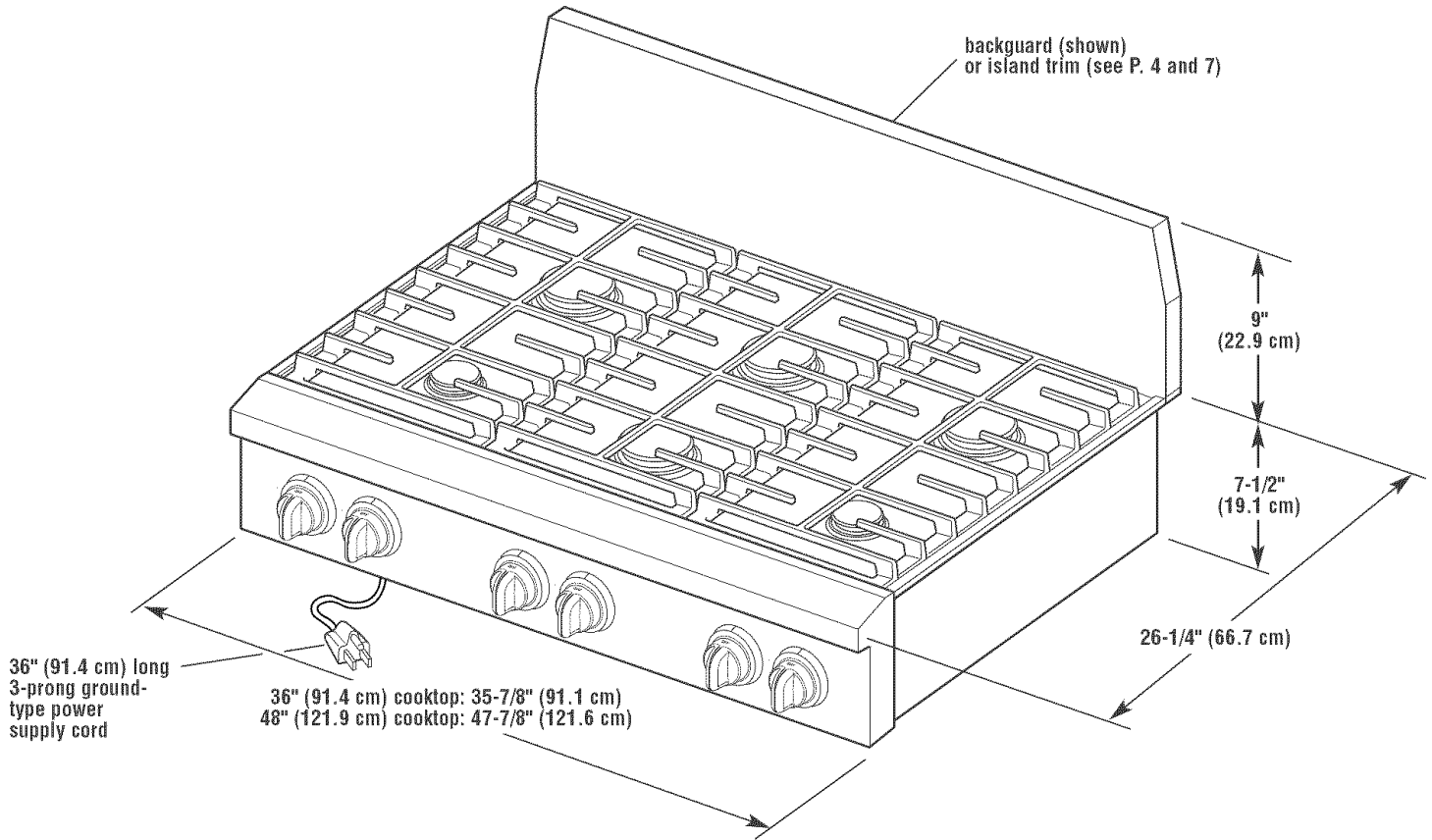
- To contact a qualified electrical installer.
- To assure that electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition\*, or Canadian Electrical Code, C22.1 -1982 and C22.2 No. 01982 (or latest edition)\*\* and all local codes and ordinances.

Copies of the standards listed may be obtained from:

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

\*\* CSA International  
8501 East Pleasant Valley Rd.  
Cleveland, Ohio 44131-5575

# Product Dimensions



side view of cooktop

**Countertop opening and clearance dimensions** that are shown must be used. Given dimensions provide required clearances.

**Mobile home installation:** The installation of this cooktop 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); or when such standard is not applicable, the Standard for Manufactured Home Installations (Manufactured Home Sites, Communities and Setups), ANSI A225.1 — latest edition\*, or with local codes.

In Canada, the installation of this cooktop must conform with the current standards CAN/CSA-Z240 — latest edition\*\*, or with local codes.

The cooktop is designed to hang from the countertop by its side and rear flanges.

The gas and electric supply should be located as shown in "Gas and Electric Dimensions," Page 5, so that they are accessible without requiring removal of the cooktop.

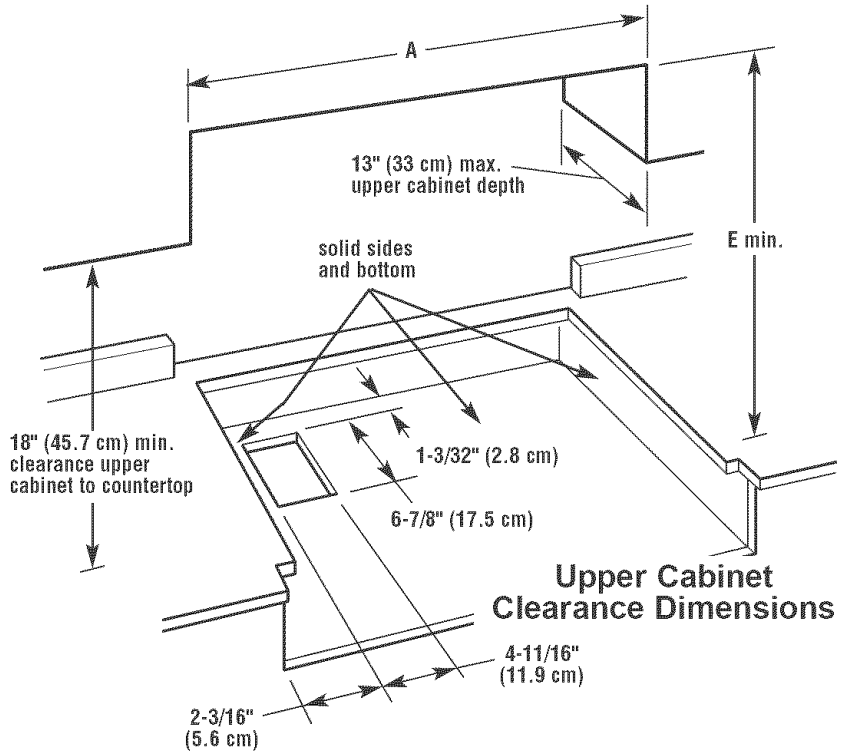
Provide an 4-11/16" x 6-7/8" (11.9 cm x 17.5 cm) cutout in left rear corner of cutout enclosure to provide clearance for gas inlet, power supply cord, and to allow the rating label to be visible.

Copies of the standards listed may be obtained from:

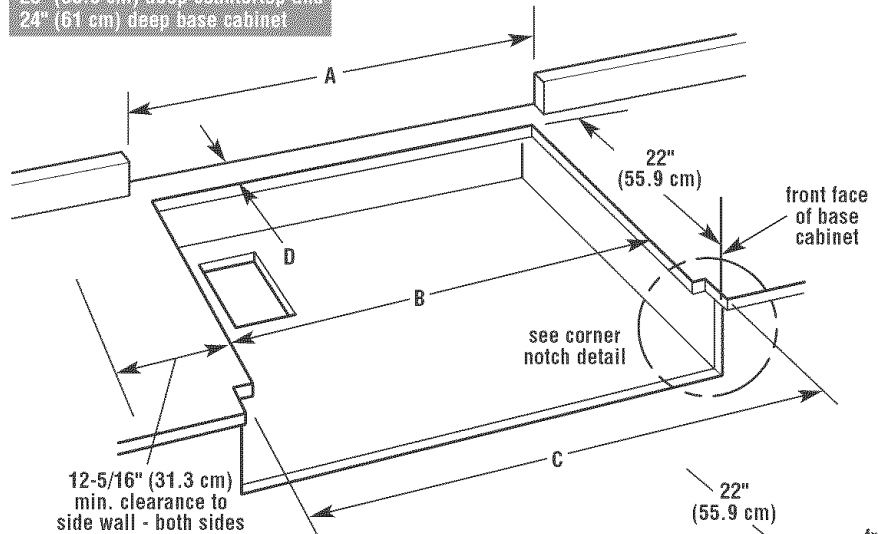
\* National Fire Protection Association  
One Batterymarch Park  
Quincy, Massachusetts 02269

\*\* CSA International  
8501 East Pleasant Valley Rd.  
Cleveland, Ohio 44131-5575

# Cabinet and Cutout Dimensions



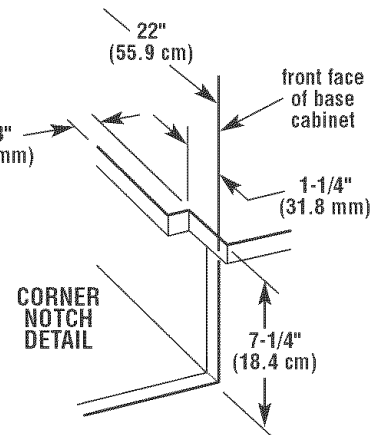
Dimensions shown are for 25" (63.5 cm) deep countertop and 24" (61 cm) deep base cabinet



## Cutout Dimensions

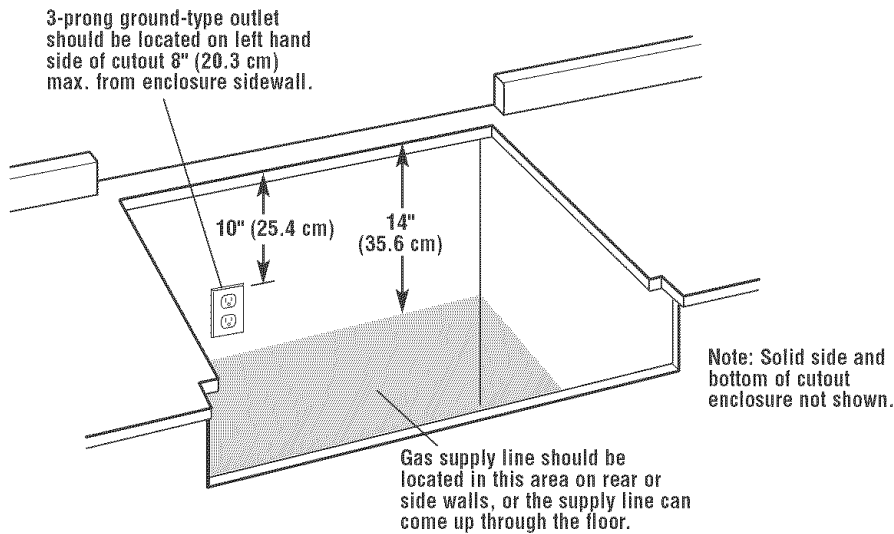
cooktop	A	B	C	minimum distance to combustible surface		top of countertop to bottom of cabinet
				D	E minimum	
36" (91.4 cm)	36" (91.4 cm)	35-1/4" (89.5 cm)	36" (91.4 cm) 35-7/8" (91.1 cm) for zero clearance fit	island trim backguard	2" (5.1 cm) 3" (7.6 cm)	48" (121.9 cm) non-combustible surface
48" (121.9 cm)	48" (121.9 cm)	47-1/4" (120.0 cm)	48" (121.9 cm) 47-7/8" (121.6 cm) for zero clearance fit	island trim backguard	5" (12.7 cm) 3" (7.6 cm)	48" (121.9 cm) non-combustible surface

Note: This installation requires a 27" (68,6 cm) deep custom countertop.



# Gas and Electric Dimensions

# Gas supply requirements



**Gas and Electric Connection Locations**

## ⚠ WARNING



### Explosion Hazard

Use a new AGA or CSA approved gas supply line.

Install a shut-off valve.

Securely tighten all gas connections.

If connected to LP, have a qualified person make sure gas pressure does not exceed 14" water column.

Examples of a qualified person include licensed heating personnel, authorized gas company personnel, and authorized service personnel.

Failure to do so can result in death, explosion, or fire.

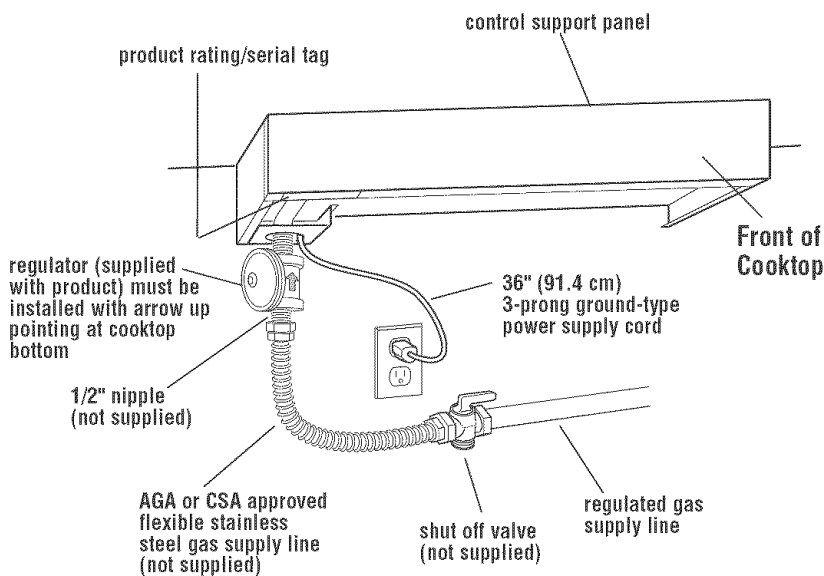
Observe all governing codes and ordinances.

**Important:** Cooktop must be connected to a regulated gas supply.

**A.** This installation must conform with local codes and ordinances. In the absence of local codes, installations must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 — latest edition or CAN1 — B149.1 or 2\*.

**B.** Input ratings shown on the model/serial rating plate are for elevations up to 2,000 feet (610 m). For elevations above 2,000 feet (610 m), ratings are reduced at a rate of 4% for each 1,000 feet (305 m) above sea level.

**C.** The cooktop is equipped for use with NATURAL gas. It is design-certified by International Approval Services (I.A.S.) for NATURAL and L.P. gases with appropriate conversion. The model/serial rating plate, located on the underside of the burner box, 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.



**Typical Gas and Electric Connections**

Copies of the standards listed may be obtained from:

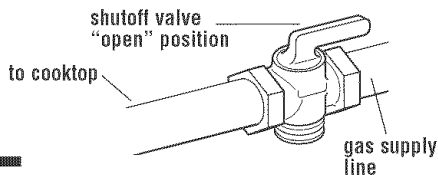
\* CSA International  
8501 East Pleasant Valley Rd.  
Cleveland, Ohio 44131-5575

## L.P. Gas:

No attempt shall be made to convert the cooktop from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier. Conversion must be done by a qualified service technician. To convert to L.P. gas, use L.P. gas conversion kit part no. 8284673. The parts for this kit are in the literature package supplied with cooktop.

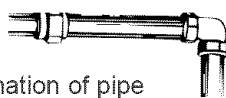
**D.** Provide a gas supply line of 3/4" rigid pipe to the cooktop location. A smaller size pipe on long runs may result in insufficient gas supply. Pipe-joint compounds, suitable for use with L.P. gas, must be used. With L.P. gas, piping or tubing size can be 1/2" minimum. L.P. gas suppliers usually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

**E.** If local codes permit, use a flexible stainless steel tubing gas connector, design-certified by AGA or CSA International, to connect the cooktop to the rigid gas supply line. 5/8" diameter line is recommended. Do Not kink or damage the flexible connector when moving the cooktop. The pressure regulator has 1/2" female pipe threads. You will need to determine the fittings required, depending on the size of your gas supply line, flexible metal connector and shutoff valve.



**F.** The supply line shall be equipped with an approved shutoff valve. This valve should be located in the same room as the cooktop and should be in a location that allows ease of opening and closing. Do Not block access to the shutoff valve. The valve is for turning on or shutting off gas to the appliance.

**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 cooktop. All strains must be removed from the supply and fuel lines so cooktop will be level and in line.



**H.** The regulator must be checked at a minimum 1-inch (2.5 cm) water column above the set pressure. The inlet pressure to the regulator should be as follows for operation and checking the regulator setting:

### NATURAL GAS:

Set pressure 5 inches (12.7 cm) W.C.  
Supply pressure 7-14 inches (17.8 cm to 35.5 cm) W.C. maximum.

### L.P. GAS:

Minimum pressure 10 inches (25.4 cm) W.C.  
Supply pressure 14 inches (35.5 cm) W.C.

### I. Line pressure testing:

Testing above 1/2 psi (3.5 kPa) or 14 inches (35.5 cm) W.C. (gauge)

The cooktop and its individual shutoff 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 (3.5kPa).

Testing below 1/2 psi (3.5 kPa) or 14 inches (35.5 cm) W.C. (gauge) or lower

The cooktop must be isolated from the gas supply piping system by closing its individual manual shutoff 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

### ⚠ WARNING



**Electrical Shock Hazard**  
Plug into a grounded 3-prong outlet.  
Do not remove ground prong.  
Do not use an adapter.  
Failure to follow these instructions can result in death, fire, or electrical shock.

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

Check with a qualified electrician if you are not sure whether the cooktop is properly grounded.

Do Not ground to a gas pipe.

A 120-volt, 60-Hz, AC-only, 15-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.

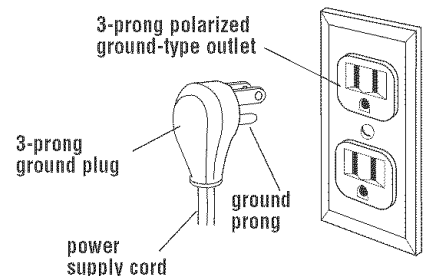
Electronic ignition systems operate within wide voltage limits, but proper ground and polarity are necessary. In addition to checking that the outlet provides 120-volt power and is correctly grounded, the outlet must be checked by a qualified electrician to see if it is wired with correct polarity. A wiring diagram is provided on the last page of these instructions.

**Important:** This cooktop is equipped with an electronic ignition system that will not operate if plugged into an outlet that is not properly polarized.

This appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the current CSA standard C22.1. Canadian Electrical Code Part 1\*.

### Recommended ground method

For your personal safety, this cooktop must be grounded. This cooktop is equipped with a 3-prong ground plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong ground-type outlet, grounded in accordance with the National Electrical Code ANSI/NFPA 70 latest edition\*\* or Canadian Electrical Code (CSA)\* — and local codes and ordinances. If a mating outlet is not available, it is the personal responsibility and obligation of the customer to have a properly polarized and grounded, 3-prong outlet installed by a qualified electrician.



Copies of the standards listed above may be obtained from:

\* CSA International  
8501 East Pleasant Valley Rd.  
Cleveland, Ohio 44131-5575

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

# Installation

**1.** Remove the top wood sheet from over the top of the cooktop.

**2.** Remove the shipping brackets and discard.

## ⚠ WARNING

### Excessive Weight Hazard

Use two or more people to move and install cooktop.

Failure to do so can result in back or other injury.

**3.** Carefully lift the cooktop up and set aside. Write down the model and serial numbers before installing the cooktop. Both numbers are on the model/serial number plate located on left front underside of the burner box.

**4.** Unpack the burner grates, burner caps, simmer plate, regulator, backguard and island trim packaged under the cooktop.

**5.** The pressure regulator and flexible, stainless steel gas supply line connector can be assembled to the cooktop now or after the cooktop is installed in the cutout. To assemble now, stand the cooktop on its side or back surface and complete this part of the pressure regulator/gas line connector assembly.

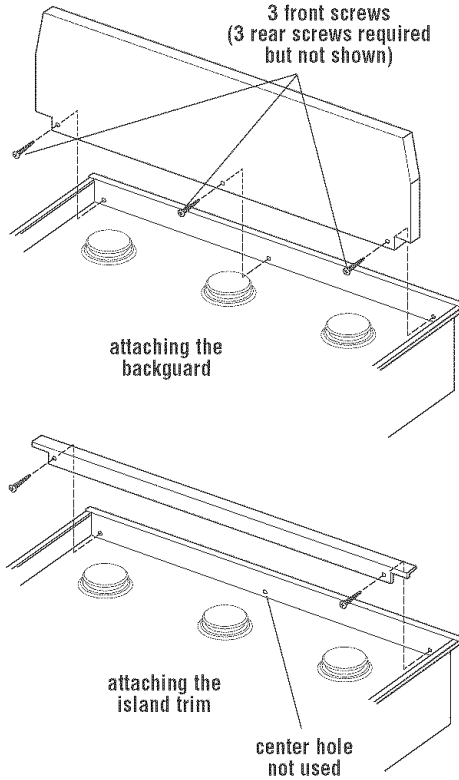
To connect the flexible, stainless steel connector to the pressure regulator requires a 1/2" nipple.

Install the pressure regulator with the arrow pointing up toward the bottom of the burner box and in a position where you can reach the regulator cap.

**IMPORTANT:** All connections must be wrench-tightened. Do not make connections to the gas regulator too tight. Making the connection too tight may crack the regulator and cause a gas leak. Do not allow the regulator to turn on the pipe when tightening fittings.

Use only pipe-joint compound made for use with Natural and L.P. gas. Do not use teflon tape. You will need to determine the fittings required depending on your installation.

**6.** Carefully lift and place the cooktop into the front area of the cutout. Be careful not to pinch the power supply cord or damage the pressure regulator/flexible gas supply line connector if installed. **DO NOT** place all the way back into cutout.

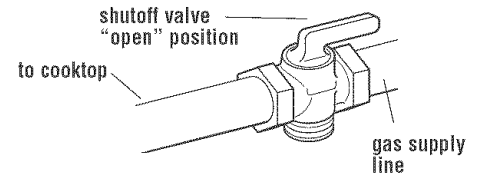


**7.** Attach the backguard or island trim as required for your installation. Attachment screws are in the literature package.

**8.** Place cooktop completely into cutout. Note: The cooktop must be level for best cooking performance.

**9.** If the pressure regulator and flexible, stainless steel gas supply were not assembled in Step 3, complete the assembly now. The pressure regulator MUST be installed with arrow on the regulator pointing up toward the burner box.

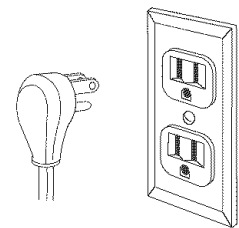
**10.** Connect flexible, stainless steel gas supply connector to the rigid gas supply line. Do not kink the connector. You will need to determine fittings required depending on your installation.



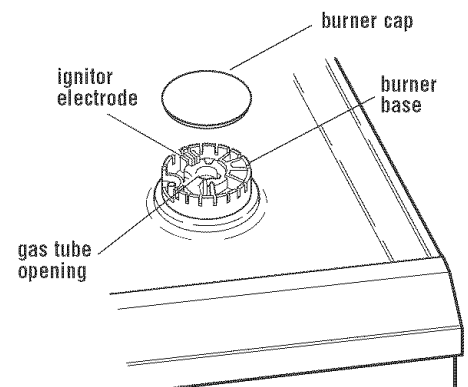
**11.** Open shutoff valve in the gas supply line. Wait a few minutes for gas to move through the gas line.

**12.** Leak testing of the appliance shall be conducted according to the following instructions:

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 cooktop.



**13.** Plug power supply cord into grounded outlet.

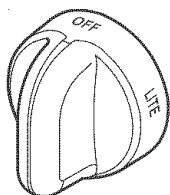


**14.** Put burner caps on each burner base. Place burner grates over burner bases and caps.



## Electronic Ignition System — initial lighting

Cooktop burners use electronic igniters in place of standing pilots. When the cooktop control knob is pushed in and 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.



**15.** Check 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.**

If burners do not light properly, turn control knob to the “OFF” position. Check that burner cap is in the proper position. Check that power supply cord is plugged in and that circuit breaker or house fuse has not blown. Check that the shutoff valve is in the “ON” position. Check operation again. If a burner does not light at this point, contact your KitchenAid dealer for assistance.

**16.** Push in and turn each control knob to the “LO” (or simmer) setting. The “LO” setting of each burner has been factory set to the lowest setting possible to provide a stable flame. If it does not stay lit on the “LO” setting, check “LO” setting as follows:

- Turn control to “LITE” until burner ignites.
- Quickly turn knob down to **LOWEST POSITION.**
- If burner goes out, readjust valve as follows:

Remove the burner control knob. Insert a flat-blade screwdriver into the hollow valve stem and engage the slotted screw. Flame size can be increased or decreased by turning the screw. Adjust flame until you can quickly turn knob from the “HI” to “LO” position without extinguishing the flame. Flame should be as small as possible without going out.

## Installer checkoff list:

### COOKTOP

- Cooktop correctly positioned in countertop cutout.
- Maintained specified distances to cabinet surfaces.
- Cooktop level – front to back – side to side.
- Burner caps positioned properly on sealed burner bases.
- All packing material removed.
- Backguard or island trim attached (see page 4).

### ELECTRICAL

- Polarized and grounded 120-volt, 60-Hz, AC, 15-amp fused electrical supply for power supply cord connection.

### GAS SUPPLY

- Connection: 1/2" NPT with a minimum 5/8" (15.9 mm) diameter flex line.
- The cooktop is connected only to type of gas for which it is certified for use.

## If cooktop does not operate:

- Check that the circuit breaker is not tripped or the house fuse blown.
- Check that the power supply cord is plugged into the outlet.
- Check that gas valves are turned to the “ON” position.
- See Use and Care Guide for troubleshooting list.

## If you need assistance:

The KitchenAid Consumer Assistance Center will answer any questions about operating or maintaining your cooktop 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 within the continental United States, or visit our web site at [www.kitchenaid.com](http://www.kitchenaid.com).

When you call, you will need the cooktop model number and serial number. Both numbers can be found on the model/serial rating plate located on the bottom of the cooktop and are visible through the cutout in the left-hand back corner of the enclosure bottom.

## 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-designated service company. A KitchenAid-designated service company is listed in the Yellow Pages of your telephone directory under “Appliances — Household — Major — Service and Repair.”

You can also obtain the service company's name and 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 of your nearest KitchenAid-designated service company.

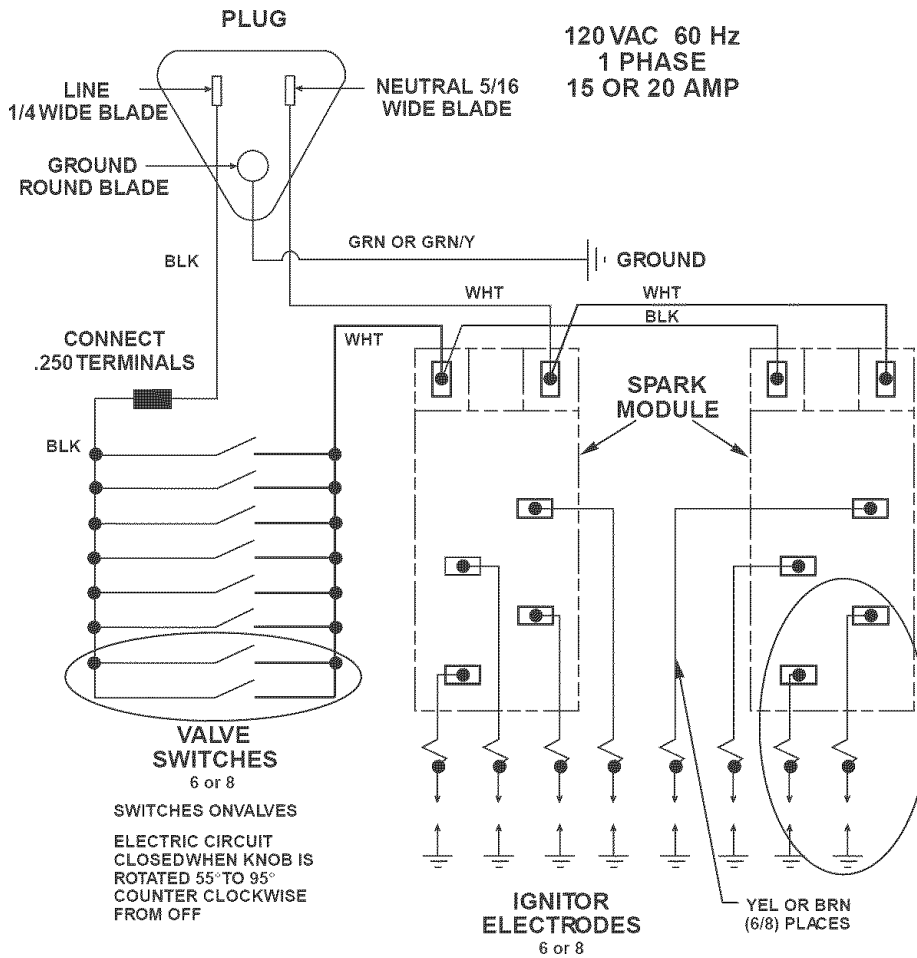
Maintain the quality built into your KitchenAid appliance — call a KitchenAid-designated service company.

## Maintenance

If removing the cooktop is necessary for maintenance, shut off gas supply. Disconnect the gas and electric supply. After disconnecting the gas and electric supply, finish removing the cooktop. Generally, the cooktop does not need to be removed for servicing.



THE POWER CORD ON THIS APPLIANCE IS EQUIPPED WITH A THREE PRONGED (GROUNDING) PLUG WHICH MATES WITH STANDARD THREE PRONGED (GROUNDING) WALL RECEPTACLES



Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.