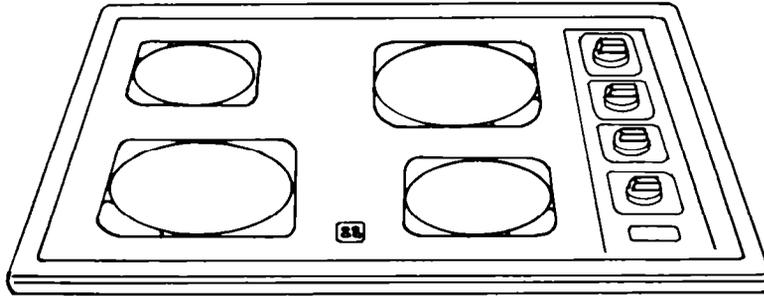


# **KitchenAid<sup>®</sup>**

# **Installation Instructions**

## **30" Electric Built-in Ceramic Cooktop**



**IMPORTANT:**

**Installer:** Leave Installation Instructions with the homeowner.

**Homeowner:** Keep Installation Instructions for future reference.

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

Part No. 3181199

## Before you start...

Proper installation is your responsibility. 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 on the bottom of the cooktop.

**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. The cooktop should be located for convenient use in the kitchen.

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

**Grounded electrical outlet** is required. See Electrical requirements.

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

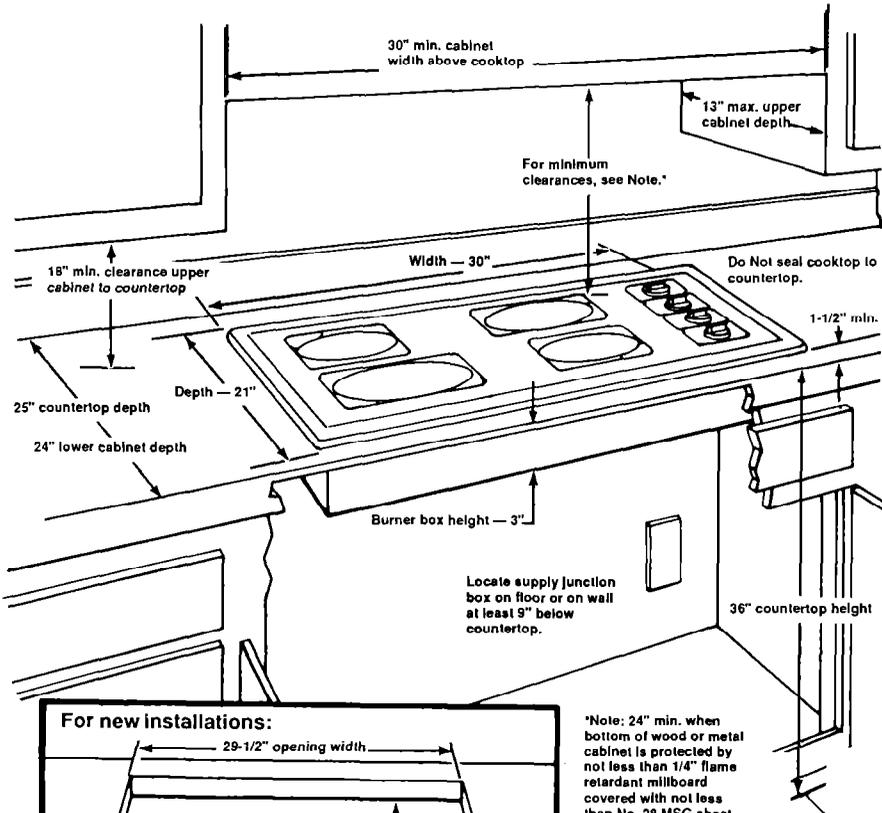
**NOTE:** Clearances specified are for combustible walls and materials that have a density of 20 or more pounds per cubic foot. No evaluation of clearances has been made for installations adjacent to materials that are less than 20 pounds per cu. ft. or to plastic tiles and sheeting.

**New Installations** — Follow minimum dimensions given.

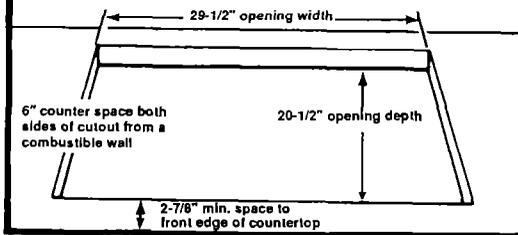
**Replacement Installations** — Be sure that front edge of cooktop is at least 1-1/2" back from front edge of countertop.

**IMPORTANT:** Observe all governing codes and ordinances. Failure to meet codes and ordinances could lead to fire or electrical shock.

**30" min. base cabinet** is required. If cabinet has a drawer, a 3" depth clearance from the countertop to the top of the drawer (or other obstruction) in base cabinet is required.



### For new installations:



\*Note: 24" min. when bottom of wood or metal cabinet is protected by not less than 1/4" flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" stainless steel, 0.024" aluminum, or 0.020" copper.

30" min. clearance between top of cooking platform and the bottom of an unprotected metal or wood cabinet.

## ⚠ WARNING

### Electrical Shock Hazard

It is the customer's responsibility:

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

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

### Personal Injury Hazard

Cabinet storage above the cooking surface should be avoided. If cabinets are already installed, reduce the hazard of reaching over a heated cooking surface by installing a range hood.

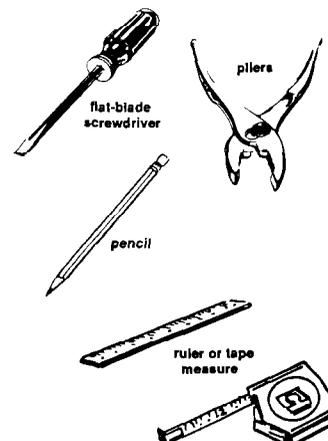
The range hood should extend a minimum of 5 inches out from the bottom front of the cabinets.

Reaching over a heated cooking surface could result in a serious burn.

Copies of the standards listed may be obtained from:

\*\* National Fire Protection Association  
Battery March Park  
Quincy, Massachusetts 02269

## Tools needed for installation:



# Electrical requirements

**IMPORTANT:**  
Save Installation Instructions for electrical inspector's use.

**⚠ 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.
- 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.

Failure to follow these instructions could result in an electrical shock or other personal injury.

**A.**

A three-wire, single phase, 240-volt, 60-Hz, AC only electrical supply is required on a separate, 40-ampere circuit, fused on both sides of the line. (A time-delay fuse or circuit breaker is recommended.) The fuse size must not exceed the circuit rating of the appliance specified on the serial/rating plate located on the bottom of the cooktop.

It is the personal responsibility and obligation of the customer to contact a qualified electrician to assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70-latest edition\*, and all local codes and ordinances.

**B.**

THE COOKTOP MUST BE CONNECTED WITH COPPER WIRE ONLY.

**C.**

Wire sizes and connections must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 — latest edition\*, and all local codes and ordinances.

Copies of the standards listed may be obtained from:

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

**D.**

The appliance should be connected directly to the fused disconnect (or circuit breaker) through flexible, armored or non-metallic sheathed, copper cable. The flexible, armored cable extending from the appliance should be connected directly to the junction box. Allow two or three feet of slack in the line so that the appliance can be moved if servicing is ever necessary.

A U.L.-listed conduit connector must be provided at each end of the power supply cable (at the appliance and at the junction box). Wire sizes (COPPER WIRE ONLY) and connections must conform with the rating of the appliance (40 amperes).

# Electrical connection

**⚠ WARNING**

**Electrical Shock Hazard**

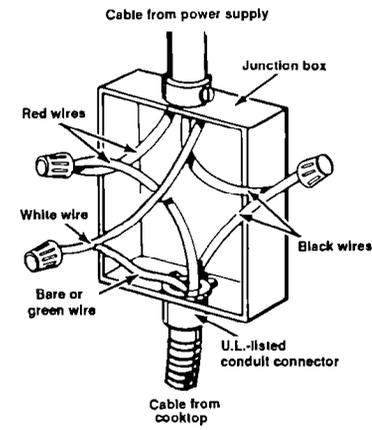
- Electrical ground is required on this appliance.
- This appliance must be connected to a grounded, permanent wiring system or a grounding connector should be connected to the grounding terminal or wire lead on the appliance.
- Disconnect power to the junction box.
- Do Not connect to the electrical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

Failure to do so could result in electrical shock, serious injury, or death.

This appliance is manufactured with a frame-connected, green or bare, grounding wire.

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

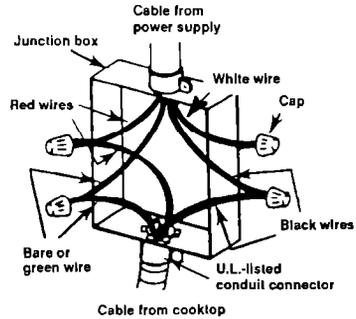
## Where local codes permit connecting the frame-grounding conductor to the neutral (white) junction box wire:



grounded neutral  
Figure 1

1. Disconnect the power supply.
2. Connect the green (or bare) appliance cable wire with the neutral wire in the junction box.
3. Connect the two black wires together; then connect the two red wires together. (See Figure 1.)

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



ungrounded neutral  
Figure 2

1. Disconnect the power supply.
2. Connect the two black wires together; then connect the two red wires together. (See Figure 2.)
3. Connect the green or bare grounding wire from the appliance cable to a grounded wire in the junction box or to a grounded, copper, cold water pipe.\*\*
4. 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 3.)

\* Grounded, cold water pipe must have metal continuity to electrical ground and not be interrupted by plastic, rubber, or other electrical 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 copper wire securely clamped to bare metal at both ends.

Tighten nuts firmly.

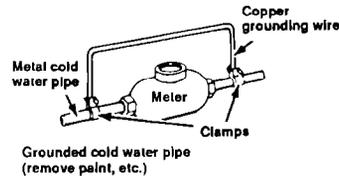


Figure 3

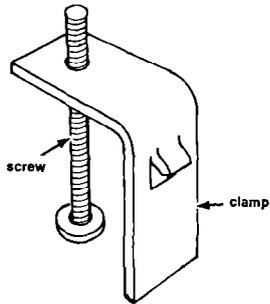
# Now start...

With cooktop in kitchen.

## CAUTION

### Property Damage

Lift entire cooktop up from cutout when repositioning cooktop in countertop opening. Failure to do so could scratch countertop.



4.

Make the electrical connection. (See Electrical requirements and Electrical connection sections, Panel B, for details.)

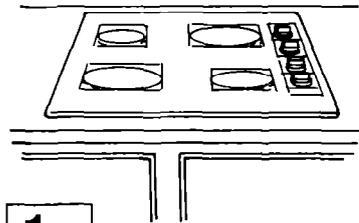
5.

Turn on the power supply.

## WARNING

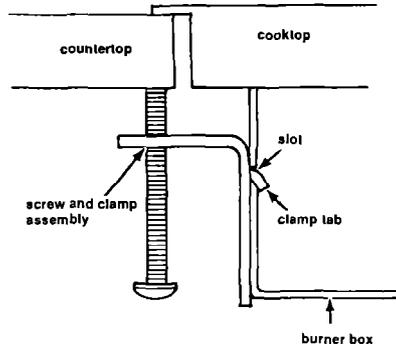
### Personal Injury Hazard

Do Not touch cooktop heating elements; they may be hot. Touching a heated cooking surface could result in a serious burn.



1.

Insert the cooktop into the countertop cutout. Center the cooktop in the cutout. Check that the front of the cooktop is parallel to the front edge of the countertop. Check that all required clearances are met. If cooktop is not properly positioned, lift the entire cooktop out of opening to make adjustments.



2.

Insert one clamp tab through each slot located on sides of the burner box.

## CAUTION

### Product Damage

Do Not overtighten screws. Overtightening screws could damage cooktop surface.

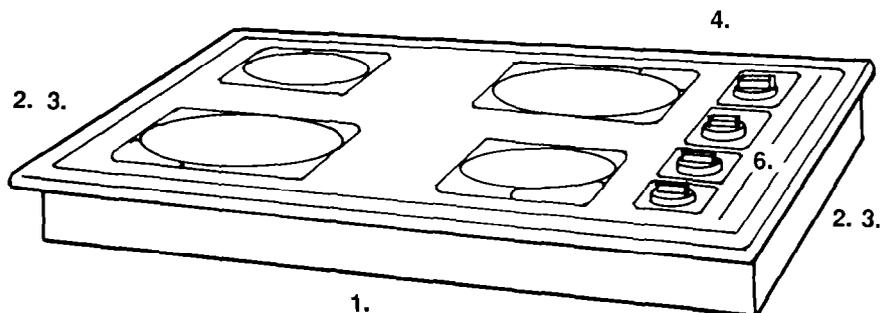
3.

Secure cooktop to countertop by hand-tightening each screw; then use a screwdriver to tighten each screw 1 to 1-1/2 more turns. Do Not overtighten screws.

6.

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

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



Numbers correspond to steps.

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## If cooktop does not operate...

Check that power supply cord is plugged into a grounded outlet. Check that the circuit breaker is not tripped or the fuse blown. A more detailed, troubleshooting checklist is provided in the Use and Care Guide.

## If you need assistance...

When you call, you will need the cooktop model number and serial number. Both numbers can be found on the serial/rating plate located on the bottom of the cooktop.

**KitchenAid®**

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