

# ELECTRIC BUILT-IN COOKTOPS 30" (76.2 CM) AND 36" (91.4 CM) INSTALLATION INSTRUCTIONS

## INSTRUCTIONS D'INSTALLATION DE LA TABLE DE CUISSON ÉLECTRIQUE ENCASTRÉE DE 30" (76,2 CM) ET 36" (91,4 CM)

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#### IMPORTANT:

Save for local electrical inspector's use.

**Installer:** Leave installation instructions with the homeowner.

**Homeowner:** Keep installation instructions for future reference.

#### IMPORTANT :

À conserver pour consultation par l'inspecteur local des installations électriques.

**Installateur :** Remettre les instructions d'installation au propriétaire.

**Propriétaire :** Conserver les instructions d'installation pour référence ultérieure.

# BUILT-IN COOKTOP SAFETY

## 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.

## INSTALLATION REQUIREMENTS

### Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

#### Tools needed

- Tape measure
- Marker or pencil
- Phillips head screwdriver
- Pliers

#### Parts supplied

- 1" (2.5 cm) mounting screws (4)

#### Parts needed

- A UL listed or CSA approved conduit connector
- UL listed wire connectors

Check local codes. Check existing electrical supply. See "Electrical Requirements."

It is recommended that all electrical connections be made by a licensed, qualified electrical installer.

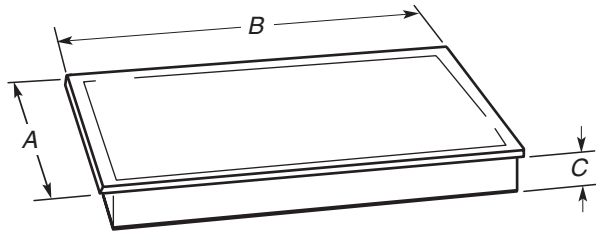
### Location Requirements

**IMPORTANT:** Observe all governing codes and ordinances. When installing cooktop, use minimum dimensions given.

- To eliminate the risk of burns or fire by reaching over the heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5" (12.7 cm) beyond the bottom of the cabinets.
- The cooktop must be a specified cooktop that is approved to be installed either alone or over an undercounter built-in oven. Check the cooktop base approved installation label for your cooktop model number and approved combinations of cooktops and ovens that can be installed. If you do not find this label, your cooktop may not be approved for use over an undercounter built-in oven. Contact your dealer to confirm that your cooktop is approved.
- Ovens approved for this type of installation will have an approval label located on the top of the oven. If you do not find this label, contact your dealer to confirm that your oven is approved. Refer to oven manufacturer's Installation Instructions for approval for built-in undercounter use and proper cutout dimensions.
- When installing cooktop over an undercounter built-in oven, do not fasten cooktop to countertop with screws. This will make the cooktop easier to remove if future servicing becomes necessary.
- Use the countertop opening dimensions that are given with these Installation Instructions. Given dimensions are minimum clearances and provide 0" (0 cm) clearance.
- Grounded electrical supply is required. See "Electrical Requirements" section.

**IMPORTANT:** To avoid damage to your cabinets, check with your builder or cabinet supplier to make sure that the materials used will not discolor, delaminate or sustain other damage.

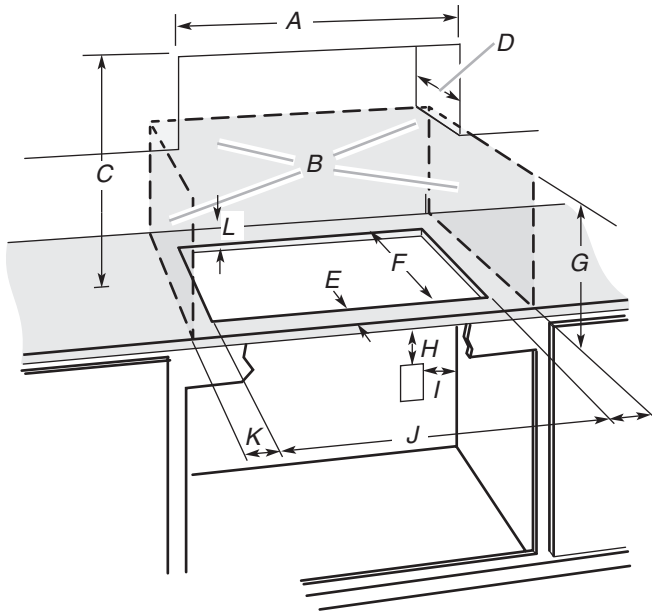
## Product Dimensions



- A. 21" (53.3 cm)
- B. 30" (76.2 cm)
- 36" (91.4 cm)
- C. 3¼" (8.3 cm)

## Installation Clearances

**IMPORTANT:** If installing a range hood or microwave hood combination above the range, follow the range hood or microwave hood combination installation instructions for dimensional clearances above the cooktop surface.



- A. 30" (76.2 cm)
- B. Combustible area above countertop (shown by dashed box above)
- C. 30" (76.2 cm) minimum clearance between top of cooktop platform and bottom of uncovered wood or metal cabinet.  
24" (61 cm) minimum clearance if bottom of wood or metal cabinet is covered by not less than ¼" [0.6 cm] flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" [0.04 cm] stainless steel or 0.024" [0.06 cm] aluminum or 0.020" [0.05 cm] copper)
- D. 13" (33 cm) recommended upper cabinet depth
- E. 3" (7.6 cm)
- F. 19⅞" (50.3 cm) recommended cutout on all models
- G. 18" (45.7 cm) minimum clearance from upper cabinet to countertop within minimum horizontal clearances to cooktop
- H. Junction box or outlet; 12" (30.5 cm) minimum from bottom of countertop
- I. Junction box or outlet; 10" (25.4 cm) from right side of cabinet
- J. 28⅞" (71.9 cm) recommended cut-out on 30" (76.2 cm) Maytag and Whirlpool models  
Will fit cutouts 28⅞" (71.9 cm) - 28⅞" (73.3cm)  
34⅞" (88.6cm) on 36" (91.4 cm) Maytag models only
- K. 1" (2.5 cm) minimum distance to nearest left and right side combustible surface above cooktop
- L. 1" (2.5 cm) minimum clearance between back wall and countertop

**NOTES:** After making the countertop cutout, some installations may require notching down the base cabinet side walls to clear the burner box. To avoid this modification, use a base cabinet with sidewalls wider than the cutout.

If cabinet has a drawer, a 3¼" (9.6 cm) depth clearance from the countertop to the top of the drawer (or other obstruction) in base cabinet is required.

## Electrical Requirements

### ⚠ WARNING



#### Electrical Shock Hazard

**Disconnect power before servicing.**

**Use 8 gauge copper wire.**

**Electrically ground cooktop.**

**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 electrical installer determine that the ground path and wire gauge are in accordance with local codes.

Check with a qualified electrical installer if you are not sure the cooktop is properly grounded.

Make sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-latest edition or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. O-M91-latest edition, and all local codes and ordinances.

A copy of the above code standards can be obtained from:

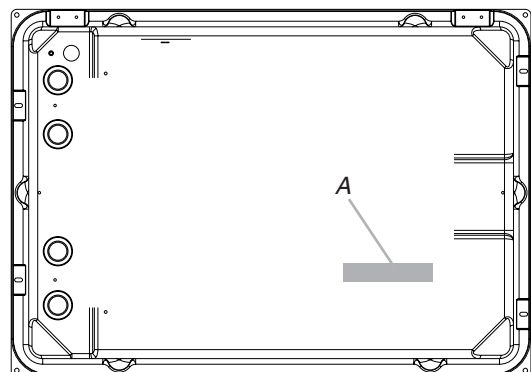
National Fire Protection Association  
One Batterymarch Park  
Quincy, MA 02269

CSA International  
8501 East Pleasant Valley Road  
Cleveland, OH 44131-5575

### Before You Make the Electrical Connection:

To properly install your cooktop, you must determine the type of electrical connection you will be using and follow the instructions provided for it here.

- A 4-wire or 3-wire, single phase, 240 volt, 60 Hz., AC only electrical supply is required on a separate, 40-amp circuit, fused on both sides of the line. The model/serial number rating plate is located on the metal cabinet underneath the cooktop. See the following illustration.



A. Model/serial number plate

- Cooktops with 3-wire cable coming from the cooktop are rated 240 volt and do not have a neutral (white) wire.
- The cooktop should be connected directly to the junction box through flexible, armored or nonmetallic sheathed, copper cable. The flexible, armored cable extending from the fuse box or circuit breaker box should be connected directly to the junction box.
- Locate the junction box to allow as much slack as possible between the junction box and the cooktop so that the cooktop can be moved if servicing becomes necessary in the future.
- Do not cut the conduit. The length of conduit provided is for serviceability of the cooktop.

- A UL listed or CSA approved conduit connector must be provided at each end of the power supply cable (at the cooktop and at the junction box). A listed conduit connector is already provided at the cooktop.
- If the house has aluminum wiring follow the procedure below:
  1. Connect a section of solid copper wire to the pigtail leads.
  2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.
 Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

## INSTALLATION INSTRUCTIONS

### Install Cooktop

#### **⚠ WARNING**

##### **Excessive Weight Hazard**

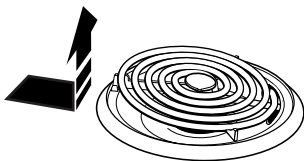
**Use two or more people to move and install cooktop.**  
**Failure to do so can result in back or other injury.**

1. Remove the shipping materials and tape from the cooktop. Remove the hardware package from inside the bag containing literature.
2. Using 2 or more people, gently place the cooktop into the cutout.
 

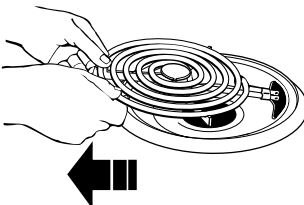
**IMPORTANT:** Check that the front edge of the cooktop is parallel to the front edge of the countertop. If repositioning is needed, lift entire cooktop up from cutout to avoid scratching the countertop.

#### **If cooktop is to be secured to countertop (optional):**

1. Remove the coil elements and burner bowls.
  - Push in the edge of coil element toward the receptacle. Then lift it enough to clear the burner bowl.



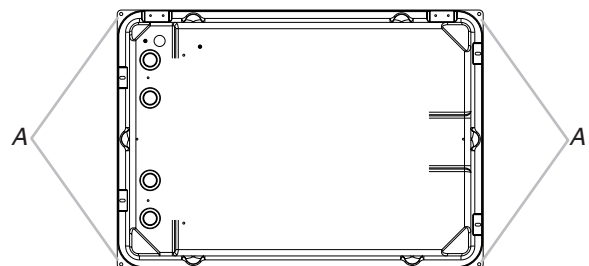
- Pull the coil element straight away from the receptacle.



- Lift out the burner bowl.
2. Remove the 4 screws from inside each element opening and lift cooktop from cooktop base.

3. Using 2 or more people, gently place the cooktop in cutout and determine final location.
 

**NOTE:** Make sure that the front edge of the cooktop is parallel to the front edge of the countertop. If repositioning is needed, lift entire cooktop up from cutout to avoid scratching the countertop.
4. Mark on the countertop the location of the 4 mounting holes at the corners of the cooktop. Set cooktop aside on a covered surface.



*A. Mounting holes*

5. Use 1/8" (3 mm) drill bit and drill 4 pilot holes.
6. Using 2 or more people, gently place the cooktop in cutout so that the cooktop mounting holes align with the 4 pilot holes.
7. Attach the cooktop base to countertop with the 4 mounting screws.
8. Reattach the cooktop to the cooktop base using the 4 screws.
9. Replace the coil elements and burner bowls.
  - Line up openings in the burner bowl with the coil element receptacle.



- Holding the coil element as level as possible, slowly push the coil element terminal into the receptacle.
- When the terminal is pushed into the receptacle as far as it will go, push down the edge of the coil element opposite the receptacle.

## Make Electrical Connection

### ⚠ WARNING



#### Electrical Shock Hazard

**Disconnect power before servicing.**

**Use 8 gauge copper wire.**

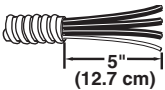
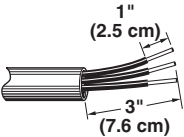
**Electrically ground cooktop.**

**Failure to follow these instructions can result in death, fire, or electrical shock.**

This cooktop is manufactured with the frame connected to the bare ground wire. Connect the cooktop cable to the junction box through the UL listed or CSA approved conduit connector.

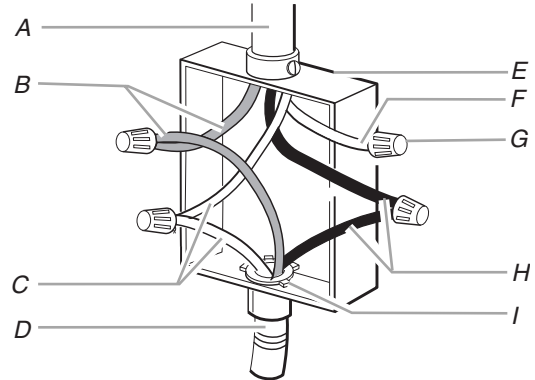
1. Disconnect power.
2. Remove junction box cover, if present.
3. Connect the flexible cable conduit from the cooktop to the junction box using a UL listed or CSA approved conduit connector.
4. Tighten screws on conduit connector if present.
5. See "Electrical Connection Options" chart to complete installation for your type of electrical connection.

#### Electrical Connection Options

If your home has:	And you will be connecting to:	Go to Section:
4-wire 	A fused disconnect or circuit breaker box	4-Wire Cable from Home Power Supply
3-wire 	A fused disconnect or circuit breaker box	3-Wire Cable from Home Power Supply

#### 4-Wire Cable from Home Power Supply

**IMPORTANT:** Use the 4-wire cable from home power supply where local codes do not permit connecting the frame-ground conductor to the neutral (white) junction box wire:

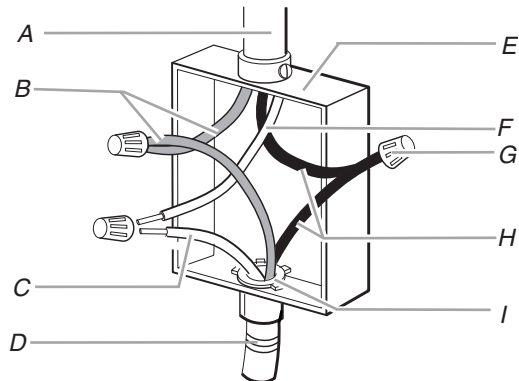


- A. Cable from home power supply
- B. Red wires
- C. Green or bare ground wires
- D. 3-wire cable from cooktop
- E. Junction box
- F. White wire (from home power supply)
- G. UL listed wire connector
- H. Black wires
- I. UL listed or CSA approved conduit connector

1. Connect the 2 black wires together using the UL listed wire connectors.
2. Connect the 2 red wires together using the UL listed wire connectors.
3. Connect the green (or bare) ground wire from the cooktop cable to the green (or bare) ground wire (in the junction box) using the UL listed wire connectors.
4. Put a UL listed wire connector on the end of the white wire.  
**NOTE:** Do not connect the bare ground wire to the neutral (white) wire in the junction box.
5. Install junction box cover.

### 3-Wire Cable from Home Power Supply

**IMPORTANT:** Use the 3-wire cable from power supply where local codes permit connecting the frame-ground conductor to the neutral (white) junction box wire.



- |   |  |
|---|--|
| A. Cable from home power supply             | F. White wire (from home power supply)         |
| B. Red wires                                | G. UL listed wire connector                    |
| C. Green (or bare) ground wire from cooktop | H. Black wires                                 |
| D. 3-wire cable from cooktop                | I. UL listed or CSA approved conduit connector |
| E. Junction box                             |  |

1. Connect the 2 black wires together using the UL listed wire connectors.
2. Connect the 2 red wires together using the UL listed wire connectors.
3. Connect the green or bare cooktop cable wires to the white (neutral) wire in the junction box using the UL listed wire connectors.
4. Install junction box cover.

### Complete Installation

1. Check that all parts are now installed. If there is an extra part, go back through the steps to see which step was skipped.
2. Check that you have all your tools.
3. Dispose of/recycle all packaging materials.
4. Use a mild solution of liquid household cleaner and warm water to clean cooktop before use. Dry thoroughly with a soft cloth. For more information, see the "Cooktop Care" section of the Use and Care Guide.
5. Read the "Cooktop Use" section in the cooktop Use and Care Guide.
6. Reconnect power.

**NOTE:** If the cooktop does not work after turning on the power, check that a circuit breaker has not tripped or a household fuse has not blown. See "Troubleshooting" section in the Use and Care Guide for further information.

#### If you need Assistance or Service:

Please reference the "Assistance or Service" section of the Use and Care Guide or contact the dealer from whom you purchased your cooktop.