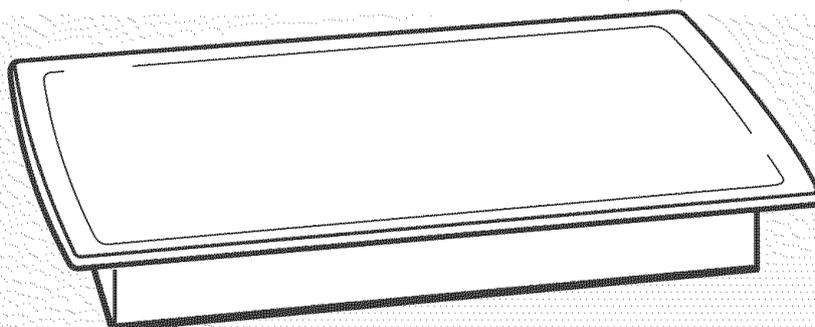
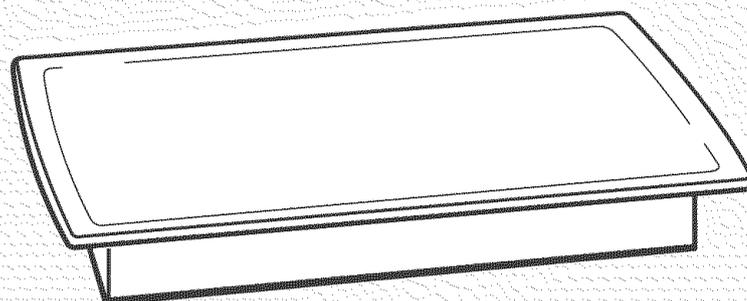
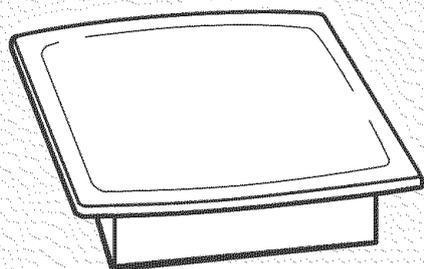


Installation Instructions

Electric Built-in Cooktops 21" (53.3 cm), 30" (76.2 cm) and 36" (91.4 cm)



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 rating plate, located on the underside of the cooktop burner box.

Model # _____

Serial # _____

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.

To eliminate the risk of burns by reaching over 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 inches (12.7 cm) beyond the bottom of the cabinets.

Proper installation is your responsibility. Make sure you have everything for correct installation. It is the responsibility of the installer to comply with the installation clearances specified in these instructions.

Cooktop installed over oven

installation: Only certain specified cooktop and oven models are approved for cooktop over oven installations. Cooktops approved for this type of installation will have an approval label located on the outside of the burner box. If you do not find this label, contact your dealer to confirm that cooktop is approved. The label on the bottom of your cooktop lists the cooktop and oven combinations that are approved for this type of installation.

Ovens approved for this type of installation will have an approval label located on top of oven. If you do not find this label, contact dealer to confirm that oven is approved. Refer to oven manufacturer's Installation Instructions for approval for built-under use and proper cutout dimensions.

When installing cooktop over a built-under oven, Do not fasten cooktop to countertop with clamps. Cooktop then will be easy to remove if servicing is ever necessary.

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.

Grounded electrical supply is required. See "Electrical requirements," Page 4.

Important:

Observe all governing codes and ordinances.

When installing a cooktop under existing cabinets and the installation does not meet the minimum cabinet clearances, install a range hood above the cooktop to avoid burn hazards.

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

Replacement installations — follow minimum dimensions given.

It is the customer's responsibility:

To contact a qualified electrical installer.

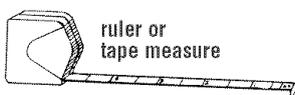
To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition**, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 - latest edition *** and all local codes and ordinances.

Copies of the standards listed may be obtained from:

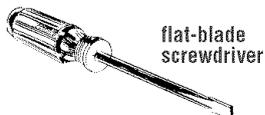
* National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

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

Tools needed for installation:



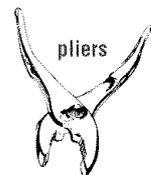
ruler or
tape measure



flat-blade
screwdriver

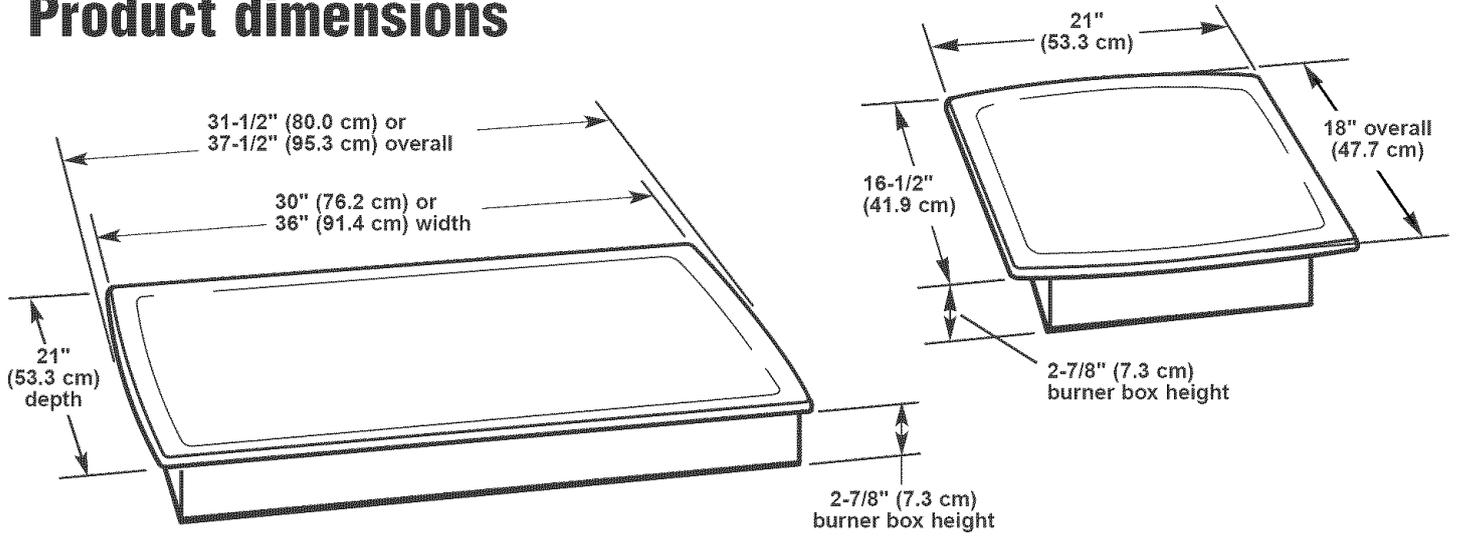


pencil

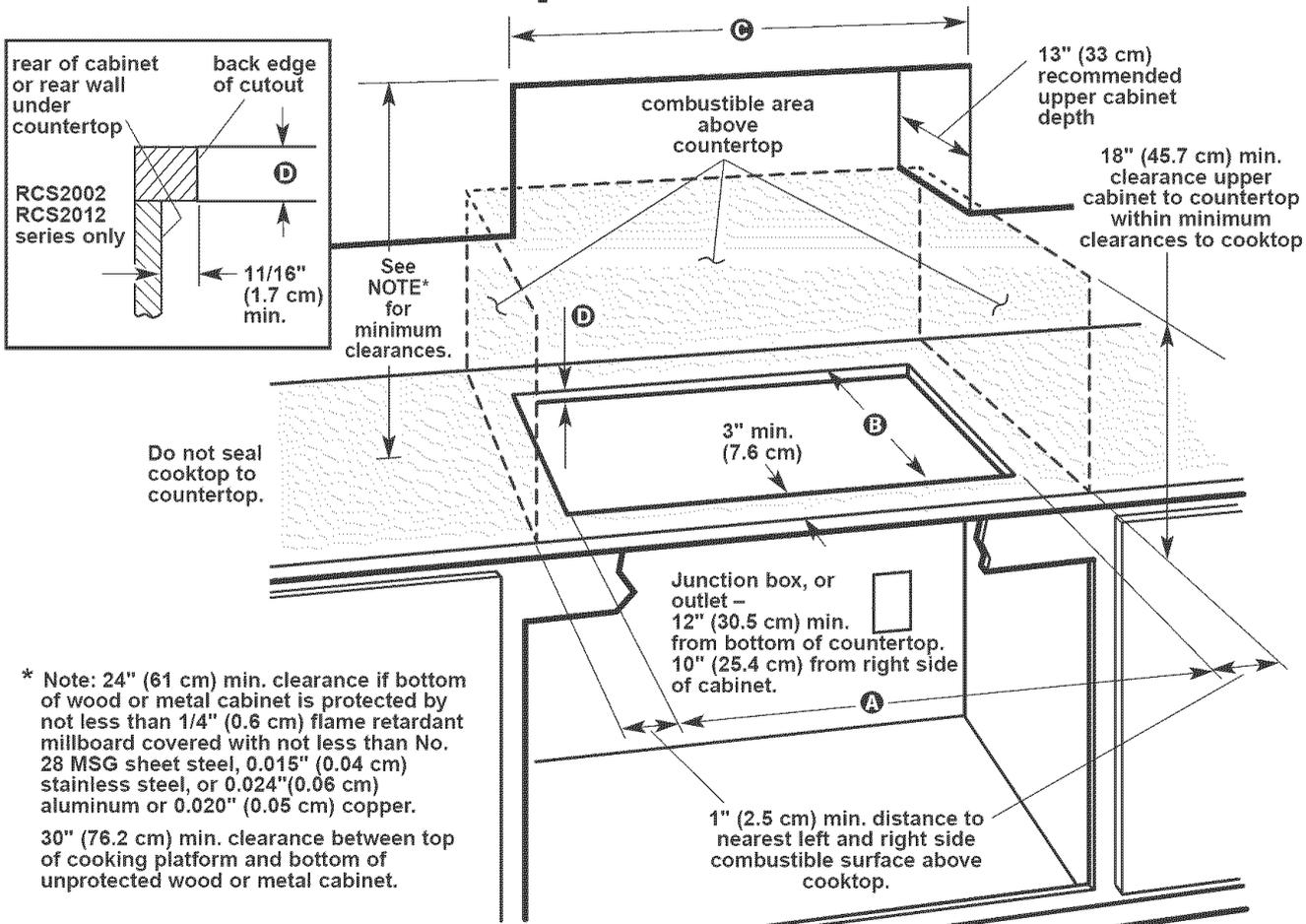


pliers

Product dimensions



Cutout dimensions/requirements



* Note: 24" (61 cm) min. clearance if bottom of wood or metal cabinet is protected by not less than 1/4" (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.
 30" (76.2 cm) min. clearance between top of cooking platform and bottom of unprotected wood or metal cabinet.

Illustration dimensions				
Cooktop width	A	B	C	D
21" (53.3 cm)	18-5/8" (33.7 cm)	15-1/2" (34.4 cm)	21" (53.3 cm)	1-5/16" (3.4 cm)
30" (76.2 cm)	28-7/8" (73.3 cm)	18-5/8" (47.3 cm)	30" (76.2 cm)	—
36" (91.4 cm)	35" (89 cm)	18-5/8" (47.3 cm)	36" (91.4 cm)	—

Important note on base cabinet construction: 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 having sidewalls wider than the cutout.

Note: If cabinet has a drawer, a 4" (10.2 cm) depth clearance from the countertop to the top of the drawer (or other obstruction) in base cabinet is required.

Electrical requirements

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path and wire gauge are in accordance with local codes.

Do Not ground to a gas pipe.

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

Do Not have a fuse in the neutral or ground circuit.

This cooktop must be connected to a metal permanent wiring system.

IMPORTANT:

Save Installation Instructions for electrical inspector's use.

240-volt cooktop

A. A three-wire or four-wire, single phase, 240-volt, 60-Hz, AC-only electrical supply is required on a separate, 40-ampere circuit (note: the RCS2012 series requires a 20 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 model/serial rating plate located on the bottom of the cooktop.

B. Wire sizes and connections must conform to the requirements of the National Electrical Code ANSI/NFPA 70 – latest edition*, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 - latest edition** and all local codes and ordinances.

C. The cooktop should be connected directly to the fused disconnect or circuit breaker box through flexible, armored or non-metallic sheathed, copper cable. The flexible, armored cable extending from the fuse box or circuit breaker box should be connected directly to the junction box.

D. 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 is ever necessary. Do Not cut the conduit.

E. A U.L.- or CSA-listed conduit connector must be provided at each end of the power supply cable (at the cooktop and at the junction box.)

F. If the house has aluminum wiring, follow the procedure below:

- a.) Connect the aluminum wiring to the copper wire by using special connectors designed and Underwriters Laboratories-listed for joining copper to aluminum. Follow the electrical connector manufacturer's recommended procedure.
- b.) Aluminum/copper connection must conform with local codes and industry-accepted wiring practices.

120-volt cooktop

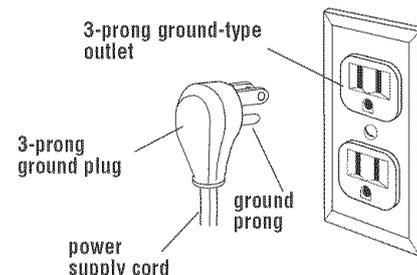
A 120-volt, 60-Hz, AC-only, 20-ampere, fused electrical supply is required. (Time-delay fuse or circuit breaker is recommended.) It is recommended that a separate circuit serving only this appliance be provided. A NEMA 5-20R, 3-prong ground-type outlet must be used.

equipped with a power supply cord having a NEMA 5-20P, 3-prong ground plug. To minimize possible shock hazard, the cord must be plugged into a mating, NEMA 5-20R, 3-prong ground-type outlet, grounded in accordance with the National Electrical Code, ANSI/NFPA 70 — latest edition*, and local codes and ordinances. (See Figure 1.)

If a mating outlet is not available, it is the personal responsibility and obligation of the customer to have a properly grounded, NEMA 5-20R, 3-prong outlet installed by a qualified electrician.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Figure 1



Copies of the standards listed above may be obtained from:

* National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

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

! WARNING



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

Recommended ground method

For your personal safety, this cooktop must be grounded. This cooktop is

Electrical connection

⚠ WARNING

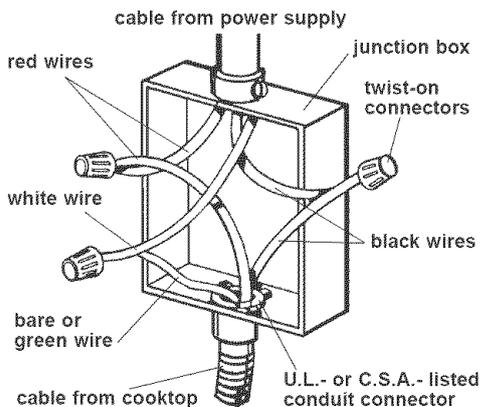


Electrical Shock Hazard
 Disconnect power before servicing.
 Electrically ground cooktop.
 Failure to follow these instructions can result in death, fire, or electrical shock.

This cooktop must be connected to a grounded, metallic permanent wiring system or a ground connector should be connected to the ground terminal or wire lead on the cooktop.

This cooktop is manufactured with a frame connected, green or bare ground wire. Connect the cooktop cable to the junction box through the U.L.- or CSA-listed conduit connector. Complete electrical connection according to local codes and ordinances.

A. Where local codes permit connecting the frame-ground conductor to the neutral (white) junction box wire: (Not used for Canadian installations)



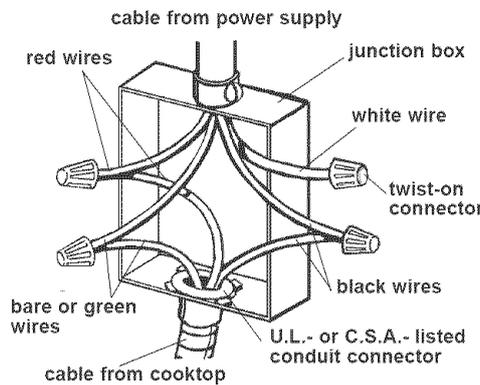
Grounded neutral – Figure 2

1. Disconnect power supply.
2. Connect the flexible, armored cable from the cooktop to the junction box using a U.L.- or CSA-listed conduit

connector. Tighten screws on conduit connector.

3. Connect the green (or bare) appliance cable wire with the neutral (white) wire in the junction box using twist-on connector.
4. Connect the two black wires together; then connect the two red wires together with twist-on connector. (See Figure 2.)

B. Where local codes Do Not permit connecting the frame-ground conductor to the neutral (white) junction box wire: (Used for all Canadian installations)



Ungrounded neutral – Figure 3

1. Disconnect power supply.
2. Connect the flexible, armored cable from the cooktop to the junction box using a U.L.- or CSA-listed conduit connector. Tighten screws on conduit connector.
3. Connect the two black wires together; then connect the two red wires together using twist-on connector. (See Figure 3.)
4. Connect the green or bare ground wire from the appliance cable to the grounded wire in the junction box or other grounded connector using twist-on connector.
5. Put a twist-on connector on end of white wire.

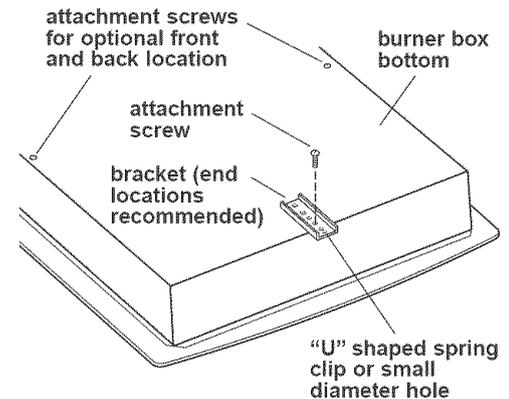
Now start...

With cooktop in kitchen.

⚠ 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 literature bag.



Standard cooktop shown. See specific instructions for installing brackets on Lift Top models.

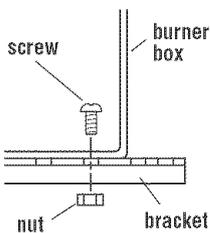
2. Two clamp brackets are provided to clamp the cooktop to the countertop. Install the clamp brackets on each end of the burner box bottom. Optional: If cabinet construction does not provide clearance for installing brackets at burner box ends, install the brackets on the front and back of the burner box bottom.

The brackets may be installed **before** (see Step 2a) or **after** (see Step 2b) the cooktop is placed into the cutout. Note: Step 2B is **not recommended** for Lift Top models.

- 2a. If installing **before** the cooktop is placed into cutout:

- Remove elements and burner bowls.
- Place the cooktop upside down on a protective surface (blanket, pad). **For Lift Top models:** Place the cooktop right side up on the protective surface.

- Remove the attachment screws for the bracket locations selected from the bottom of the burner box. **For Lift Top models:** Remove the two phillips round head screws and hex nuts from the envelope.
- Use bracket mounting holes that will allow the clamp screws (see Step 3) to contact the countertop bottom. Attach brackets as shown then rotate brackets so that they do not extend beyond edge of burner box.

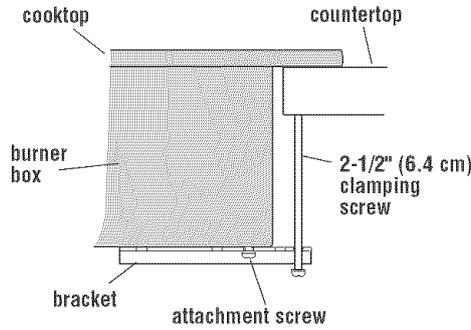


For Lift Top models: Lift top (see Use and Care Guide for instructions) and install round head screws through the burner box and brackets so that the screw head is inside the burner box. Attach the hex nuts against clamp brackets.

- Tighten screws (or hex nuts) just enough to hold brackets in place when cooktop is put into cutout.
- Turn the cooktop right side up if needed. Carefully place 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 prevent scratching the countertop.
- Loosen the screws or nuts, rotate the brackets so that they extend beyond edge of the burner box. Tighten screws or nuts securely.

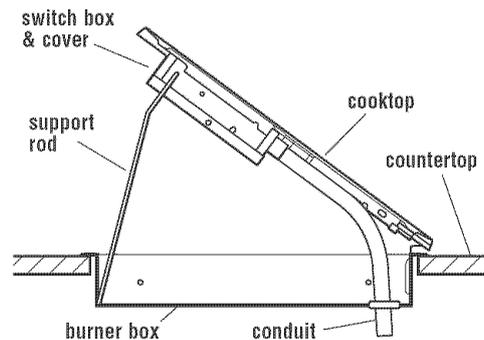
2b. If installing **after** the cooktop is placed into cutout (Note: This method is **not recommended** for Lift Top models.):

- Carefully place cooktop into 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 prevent scratching the countertop.
- Remove the attachment screws from selected bracket locations on the bottom of the burner box.
- Attach brackets as shown so that they are beyond edge of burner box and the clamp screws (see Step 3) will contact the countertop bottom. Tighten screws securely.



3. Place the 2-1/2" (6.4 cm) clamping screws into the brackets. Use a screwdriver to tighten the screws against the countertop. **DO NOT OVERTIGHTEN.**

4. Make electrical connection. (See "Electrical requirements" and "Electrical connection" sections, Pages 4 and 5.) If your house has aluminum wiring, see "Electrical requirements", Page 4.



LIFT TOP MODELS (KECS100 & KECS161) only

Raise cooktop per Use & Care Guide instructions. This will ensure that enough slack is left after electrical connection to properly operate lift top feature of cooktop.

If installing cooktop over built-under oven, check that cooktop lift top feature operates after oven installation is complete.

5. Reinstall elements and burner bowls. Turn on power supply.

6. Depending on your model, push in and turn each control knob to the "HI" position or touch "ON" and turn each control knob to the "HI" position. Check the operation of the cooktop elements and indicator lights.

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 (120 V models).
- See Use and Care Guide for troubleshooting list.

Note: Refer to Use and Care Guide for operating and cleaning instructions.

If you need assistance:

If you have questions about operating, cleaning or maintaining your cooktop:

- Refer to **Use and Care Guide**.
- Call the Customer Interaction Center. Check your Use and Care Guide for a toll-free number to call or call the dealer from whom you purchased this appliance. The dealer is listed in the Yellow Pages of your phone directory under "Appliances — Household — Major — Service and Repair."

If you need service:

Maintain the quality built into your cooktop by calling an authorized service company.

To obtain the name and number of the authorized service company:

- Contact the dealer from whom you purchased your cooktop; or
- Look in the Yellow Pages of your telephone directory under "Appliances — Household — Major — Service and Repair;" or
- Call the Customer Interaction Center. The toll-free number is listed in your Use and Care Guide.

When you call, you will need:

- The cooktop model number.
- The cooktop serial number.

Both numbers are listed on the model/serial rating plate located on the underside of cooktop burner box.