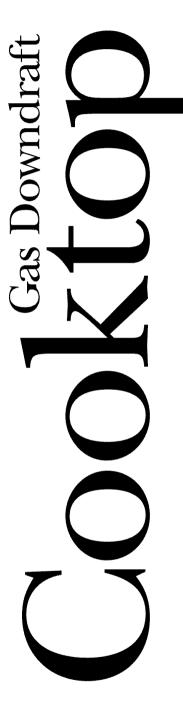


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Consumer Support

Owner's Manual & Installation Instructions

JGP990



Write the model and serial numbers here:

Model # _____

Serial #_____

Find these numbers on a label under the cooktop.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

A WARNING!

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or loss of life.

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.



Care and Cleaning

Salety Instructions



IMPORTANT SAFETY NOTICE

The California Safe Drinking Water and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the state to cause cancer, birth defects or other reproductive harm, and requires businesses to warn customers of potential exposure to such substances.

Gas appliances can cause minor exposure to four of these substances, namely benzene, carbon monoxide, formaldehyde and soot, caused primarily by the incomplete combustion of natural gas or LP fuels. Properly adjusted burners, indicated by a bluish rather than a yellow flame, will minimize incomplete combustion. Exposure to these substances can be minimized by venting with an open window or using a ventilation fan or hood.



SAFETY PRECAUTIONS

Have the installer show you the location of the cooktop gas shutoff valve and how to shut it off if necessary.

- Have your cooktop installed and properly grounded by a qualified installer, in accordance with the Installation Instructions. Any adjustment and service should be performed only by qualified gas cooktop installers or service technicians.
- Be sure your cooktop is correctly adjusted by a qualified service technician or installer for the type of gas (natural or LP) which is to be used. Your cooktop can be converted for use with either type of gas. See the Installation Instructions. Your model is factory adjusted for use with natural gas.
- Do not attempt to repair or replace any part of your cooktop unless it is specifically recommended in this manual. All other service should be referred to a qualified technician.
- Locate the cooktop out of kitchen traffic path and out of drafty locations to prevent poor burner performance.
- Plug your cooktop into a 120-volt grounded outlet only. Do not remove the round grounding prong from the plug. If in doubt about the grounding of the home electrical system, it is your personal responsibility and obligation to have an ungrounded outlet replaced with a properly grounded, three-prong outlet in accordance with the National Electrical Code. Do not use an extension cord with this appliance.
- Let the burner grate and other surfaces cool before touching them or leaving them where children can reach them.
- Be sure all packaging materials are removed from the cooktop before operating it to prevent fire or smoke damage should the packaging material ignite.

- Be sure your cooktop is correctly adjusted by a qualified service technician or installer.
- Do not leave children alone or unattended where a cooktop is hot or in operation. They could be seriously burned.
- Do not allow anyone to climb, stand or hang on the cooktop.
- **CAUTION:** Items of interest to children should not be stored in cabinets above a cooktop—children climbing on the cooktop to reach items could be seriously injured.
- Always keep wooden and plastic utensils and canned food a safe distance away from your cooktop.
- Always keep combustible wall coverings, curtains or drapes a safe distance from your cooktop.
- Never wear loose-fitting or hanging garments while using the appliance. Be careful when reaching for items stored in cabinets over the cooktop. Flammable material could be ignited if brought in contact with flame or hot surfaces and may cause severe burns.
- Teach children not to play with the controls or any other part of the cooktop.
- For your safety, never use your appliance for warming or heating the room.

Care and Cleaning

Operating Instructions

Safety Instructions

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.



SAFETY PRECAUTIONS

- Always keep dish towels, dishcloths, pot holders and other linens a safe distance from your cooktop.
- Do not store flammable materials near a cooktop.
- Do not store or use combustible materials, gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Do not let cooking grease or other flammable materials accumulate on or near the cooktop.
- Do not operate the burner without all burner parts in place.
- Do not clean the cooktop with flammable or volatile cleaning fluids.
- Do not clean the cooktop when the appliance is in use.
- Avoid scratching the cooktop with sharp instruments, or with rings and other jewelry.
- Never use the cooktop as a cutting board.
- Do not use water on grease fires. Never pick up a flaming pan. Turn the controls off. Smother a flaming pan on a surface burner by covering the pan completely with a well-fitting lid, cookie sheet or flat tray. Use a multipurpose dry chemical or foam-type fire extinguisher.

Flaming grease outside a pan can be put out by covering it with baking soda or, if available, by using a multipurpose dry chemical or foam-type fire extinguisher.

- Do not obstruct the flow of combustion and ventilation air.
- Leak testing of appliance shall be conducted according to the manufacturer's instructions.

WARNING: To reduce the risk of fire.

electrical shock, or injury to persons, observe the following:

- **A.** Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- **B.** Before servicing or cleaning the unit, switch power off at service panel.
- **C.** When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- **D.** Ducted fans must always be vented to the outdoors.
- **E.** To reduce the risk of fire, use only metal ductwork.

WARNING: To reduce the risk of a cooktop grease fire:

- A. Keep fan, filters and grease-laden surfaces clean.
- **B.** Always turn vent ON when cooking at high heat.
- **C.** Use high settings on cooktop only when necessary. Heat oil slowly on low to medium setting.
- **D.** Don't leave the cooktop unattended when cooking.
- **E.** Always use cookware and utensils appropriate for the type and amount of food being prepared.

CAUTION: For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.



COOK MEAT AND POULTRY THOROUGHLY...

Cook meat and poultry thoroughly—meat to at least an INTERNAL temperature of 160°F and poultry to at least an INTERNAL temperature of 180°F. Cooking to these temperatures usually protects against foodborne illness.

Care and Cleaning

Troubleshooting Tps

A WARNING! SURFACE BURNERS

Use proper pan size—avoid pans that are unstable or easily tipped. Select cookware having flat bottoms large enough to cover burner grate. To avoid spillovers, make sure cookware is large enough to contain the food properly. This will both save cleaning time and prevent hazardous accumulations of food, since heavy spattering or spillovers left on cooktop can ignite. Use pans with handles that can be easily grasped and remain cool.

- Always use the *LITE* position when igniting the top burners and make sure the burners have ignited.
- Never leave the surface burners unattended at high flame settings. Boilovers cause smoking and greasy spillovers that may catch on fire.
- Use only dry pot holders—moist or damp pot holders on hot surfaces may result in burns from steam. Do not let pot holders come near open flames when lifting cookware. Do not use a towel or other bulky cloth in place of a pot holder. Such cloths can catch fire on a hot burner.
- When using glass cookware, make sure it is designed for cooktop cooking.
- To minimize the possibility of burns, ignition of flammable materials and spillage, turn cookware handles toward the side or center of the cooktop without extending over adjacent burners.
- Always turn the surface burner controls off before removing cookware.
- Carefully watch foods being fried at a high flame setting.
- Always heat fat slowly and watch as it heats.
- Do not leave any items on the cooktop. The hot air from the vent may ignite flammable items and will increase pressure in closed containers, which may cause them to burst.
- If a combination of oils or fats will be used in frying, stir together before heating or as fats melt slowly.
- Do not use a wok on the cooking surface if the wok has a round metal ring that is placed over the burner grate to support the wok. This ring acts as a heat trap, which may damage the burner grate and burner head. Also, it may cause the burner to work improperly. This may cause a carbon monoxide level above that allowed by current standards, resulting in a health hazard.

- Foods for frying should be as dry as possible. Frost on frozen foods or moisture on fresh foods can cause hot fat to bubble up and over the sides of the pan.
- Use the least possible amount of fat for effective shallow or deep-fat frying. Filling the pan too full of fat can cause spillovers when food is added.
- Use a deep fat thermometer whenever possible to prevent overheating fat beyond the smoking point.
- Never try to move a pan of hot fat, especially a deep fat fryer. Wait until the fat is cool.
- Do not flame foods on the cooktop. If you do flame foods under the hood, turn the fan on.
- Do not leave plastic items on the cooktop they may melt if left too close to the vent.
- Keep all plastics away from the surface burners.
- If you smell gas, turn off the gas to the cooktop and call a qualified service technician. Never use an open flame to locate a leak.
- To avoid the possibility of a burn, always be certain that the controls for all burners are at the off position and all grates are cool before attempting to remove them.
- Never clean the cooktop surface when it is hot. Some cleaners produce noxious fumes and wet cloths could cause steam burns if used on a hot surface.
- Never leave jars or cans of fat drippings on or near your cooktop.
- Do not use aluminum foil under burner grate. Misuse could result in a fire hazard or damage to the cooktop.
- Do not cover or block the area around the cooktop knobs. This area must be kept clear for proper ventilation and burner performance.
- In Clean only parts listed in this Owner's Manual.

READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY. SAVE THESE INSTRUCTIONS Safety Instructions

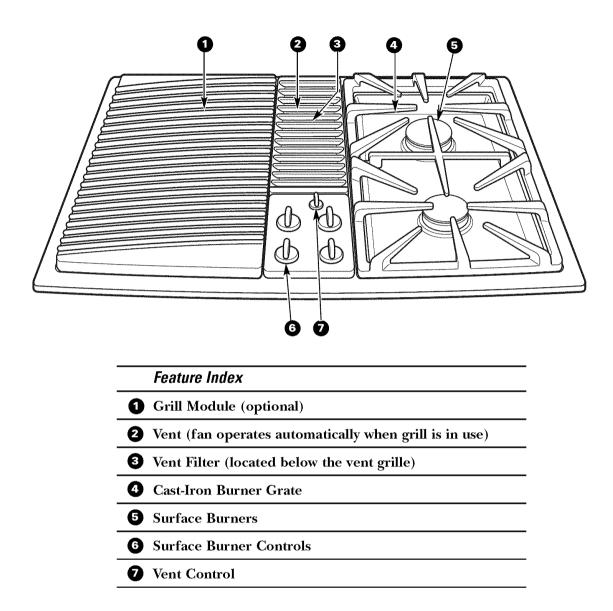
Care and Cleaning

Troubleshooting Tips



Features of your cooktop.

Throughout this manual, features and appearance may vary from your model.



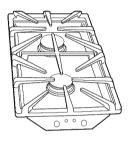
Cooktop accessories.

Throughout this manual, features and appearance may vary from your model.



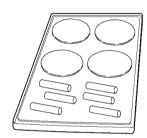
Grill Model JXGG90L

Consists of a black grill grate and a grill burner.



Sealed Burner Module Models JXGB90B (black), JXGB90S (stainless steel) and JXGB90W (white)

The grill assembly can be removed and a sealed burner module installed. **NOTE:** Optional surface burner module (JXGB90) can replace the grill assembly. Burners supplied with cooktop and optional module air shutters have been adjusted for compatibility on both sides.



Griddle Model JXGL90L

Can be used only with the grill burner. Self-draining griddle makes many favorite foods easier to fix. Family-sized surface lets you cook several pancakes, hamburgers or grilled sandwiches at the same time. Safety Instructions

Troubleshooting Tips

Using the gas surface burners.

Throughout this manual, features and appearance may vary from your model.

Electric Ignition

Your surface burners are lit by electric ignition, eliminating the need for standing pilots with constantly burning flames.

In case of a power outage, you can light the surface burners on your cooktop with a match. Hold a lit match to the burner, then turn the control knob to the high position. Use extreme caution when lighting the burners this way. Surface burners in use when an electrical power failure occurs will continue to operate normally.

IN CASE OF A POWER FAILURE, THE VENTILATION SYSTEM WILL NOT OPERATE. DO NOT USE THE GRILL MODULE OR GRIDDLE IF THE VENTILATION SYSTEM IS NOT OPERATIONAL.

How to Light a Gas Surface Burner

Push the control knob down and turn it to the *LITE* position.

You will hear a little *clicking* noise—the sound of the electric spark igniting the burner.

After the burner ignites, turn the knob to adjust the flame size.

To turn a burner off, turn the knob clockwise, as far as it will go, to the **OFF** position.

If the flame is too low at the setting, the valve can be adjusted. Refer to *Flames too high or too low at the LOW setting* in the *Troubleshooting Tips* section.

How to Select Flame Size

For safe handling of cookware, never let the flames extend up the sides of the cookware.

Watch the flame, not the knob, as you reduce heat. The flame size on a gas burner should match the cookware you are using. Any flame larger than the bottom of the cookware is wasted and only serves to heat the handle.

Before Lighting a Gas Burner

- Make sure all grates on the cooktop are in place before using any burner.
- Only surface burners may be used on the right side.
- After Lighting a Gas Burner
- Do not operate the burner for an extended period of time without cookware on the grate. The finish on the grate may chip without cookware to absorb the heat.
- Check to be sure the burner you turn on is the one you want to use.
- Be sure the burners and grates are cool before you place your hand, a pot holder, cleaning cloths or other materials on them.
- When trying to simmer delicate foods, use the right side of the unit for best results. The **L0** setting on the left side is hotter to accommodate the grill module. If you find that the **L0** setting is too hot, you can adjust the valve. See the *Troubleshooting Tips* section.
- Do not allow large pans to extend over the control knobs. Heat trapped between large pans and control knobs could cause possible damage to the control knobs.



Push the control knob down and turn it to the LITE position.



Safety Instructions

Operating Instructions

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Use a flat-bottomed wok.

Wok This Way

We recommend that you use a flat-bottomed wok, available at your local retail store.

Only a flat-bottomed wok should be used. Do not use a flat-bottomed wok with a wok holder. Do not use a flat-bottomed wok on a support ring. Placing the ring over the burner or grate may cause the burner to work improperly, resulting in carbon monoxide levels above allowable current standards. This could be dangerous to your health.

Cookware

Use large diameter cookware on rear burners.

Aluminum: Medium-weight cookware is recommended because it heats quickly and evenly. Most foods brown evenly in an aluminum skillet. Use saucepans with tight fitting lids when cooking with minimum amounts of water.

Enamelware: Under some conditions, the enamel of some cookware may melt. Follow cookware manufacturer's recommendations for cooking methods.

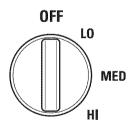
Glass: There are two types of glass cookware: those for oven use only and those for cooktop cooking (saucepans, coffee and teapots). Glass conducts heat very slowly.

Cast Iron: If heated slowly, most skillets will give satisfactory results.

Heatproof Glass-Ceramic: Can be used for either surface or oven cooking. It conducts heat very slowly and cools very slowly. Check cookware manufacturer's directions to be sure it can be used on a gas cooktop.

Stainless Steel: This metal alone has poor heating properties and is usually combined with copper, aluminum or other metals for improved heat distribution. Combination metal skillets usually work satisfactorily if they are used with medium heat as the manufacturer recommends.

Using the downdraft vent system.



How to Operate the Downdraft Vent System

The built-in vent system helps remove cooking vapors, odors and smoke from foods prepared on the cooktop.

To turn on the vent fan, use the vent control switch on the control panel.

• Turn the vent fan speed control knob to *HI, MED* or *LO* as needed.

NOTE: Even if the switch is in the off position, the fan will operate automatically when the grill burner is in use. Continuous use of the vent system while cooking helps keep the kitchen comfortable and less humid, reducing cooking odors and soiling moisture that normally creates a frequent need for cleaning.

The appearance of the burner flames may be affected when the vent fan is operating. At high fan speed setting, the flame may be drawn toward the vent opening, affecting cooking performance.

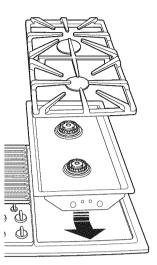
IN CASE OF A POWER FAILURE, THE VENTILATION SYSTEM WILL NOT OPERATE. DO NOT USE THE GRILL MODULE OR GRIDDLE IF THE VENTILATION SYSTEM IS NOT OPERATIONAL.

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Troubleshooting Tips

Surface burner and grill modules.

Throughout this manual, features and appearance may vary from your model.



Sealed Burner Module

To Install the Sealed Burner Module:

- 1. Make sure that all control knobs are set to OFE
- 2. Clean the cooktop basin to remove any grease accumulation. See the Care and Cleaning the Cooktop section.
- 3. With the back of the burner module tilted up and the two round openings and three pins facing toward the front, insert the module in the cooktop basin.

To Remove the Sealed Burner Module:

- 1. Make sure that all control knobs are set to *OFF* and that the cooktop is cool.
- 2. Lift up the edge of the burner module until the bottom of the module clears the edge of the basin.

IMPORTANT: Do not lift the module too high while it is still connected—you could damage the ignitor rods and mixer tubes.

- 4. Slide the burner module forward until the pins start to engage the white slotted receptacle.
- 5. Lower the back of the module into place and carefully slide it forward until the pins are fully engaged.
- 6. Place the burner caps on the burners. Carefully place the grate onto the module with the two tabs on the underside toward the center of the cooktop.
- 3. Hold the module by the sides and pull it away from the slotted receptacle and brass orifices. Lift it out of the basin when it is completely unplugged.
- 4. Do not store or stack modules where they could fall or be damaged.

NOTE: The optional sealed burner module [XGB90 can replace the grill burner assembly.

Grill Module

b

The grill consists of a black grill grate and the grill burner. Only install the grill on the left side of your cooktop.

To Install the Grill Module:

- 1. Make sure that all control knobs are set to **OFF**.
- 2. Position the grill burner with the two round tubes and three pins facing the front.
- 3. Slide the grill burner forward until the pins and ignitors are engaged in the white slotted receptacle; then lower the burner until it rests on the mounting pins.

To Remove the Grill Module:

- 1. Make sure that all control knobs are set to **OFF** and all grill components are cool.
- 2. Remove the grill grate.
- 3. Lift the grill burner up slightly and pull it away from the white slotted receptacle and brass orifices. Lift it out of the basin when it is completely unplugged.

4. Carefully place the grill grate on the cooktop. The grate is designed to fit one way only. See the illustration.

NOTE: Before using the arill for the first time, heat the grill burner to remove the protective shipping coating. Heat the grill burner on HI for 10 minutes and use the vent system to remove any additional smoke during cooling.

4. Do not store or stack modules where they could fall or be damaged.

NOTE: The optional sealed burner module [XGB90 can replace the grill burner assembly.

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Using the Grill

- The vent fan will operate automatically when the grill burner is in use.
- Before using the grill for the first time, wash grill grate in hot soapy water. Rinse and dry.
- Precondition grate by brushing with vegetable oil or spraying with a nonstick coating such as Pam[®]. Do this every time before you grill.
- For easier clean-up, spray grate and burner basin with a non-stick coating.
- Use nonmetallic spatulas or utensils to prevent damaging the non-stick grill grate finish.
- Preheat the grill on high for 5 to 10 minutes. Preheating improves the flavor and appearance of meats and quickly sears the meat to help retain the juices.
- Excessive amounts of fat should be trimmed from meats. Some fat is necessary to produce the smoke needed for that smoked "outdoor" flavor. However, excessive fat can create cleaning and flare-up problems.
- Allowing excessive amounts of grease or drippings to constantly flame voids the warranty on the grill grate. Excessive flare-ups indicate that either the grill interior needs to be cleaned, excessive amounts of fat are in the meat or that the meat was not properly trimmed.

Should a Sustained Flare-Up Occur:

- 1. Use the vent control to turn the fan on.
- 2. Immediately turn the grill control knobs to the **OFF** position.
- 3. Remove the meat from the grill.

- Grease drippings will occasionally ignite to produce harmless puffs of flame for a second or two. This is a normal part of the cooking process.
- Never leave the grill unattended during operation.

IMPORTANT:

IN CASE OF A POWER FAILURE, THE VENTILATION SYSTEM WILL NOT OPERATE. DO NOT USE THE GRILL MODULE OR GRIDDLE IF THE VENTILATION SYSTEM IS NOT OPERATIONAL.

- Do not use aluminum foil inside the grill area.
- Do not use charcoal or wood chips in the grill area.
- Do not allow burner basin to become overloaded with grease. Clean after each use.
- Do not cover grate completely with meat. Leave air space between each steak, etc., to allow proper ventilation as well as to prevent flare-ups.
- Do not use cooking pots, pans, skillets, etc., on the grill grate.

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Grilling.

Grilling Tips

- With your grill, any food you've considered "at its best" when prepared outdoors can now be prepared indoors with less fuss and great flavor.
- The following suggestions are good rules to follow and will increase your enjoyment of the equipment. Be sure to follow directions in this guide for using the grill.
- Suggested cooking times and control settings are approximate due to variations in meats. Experience will quickly indicate cooking times as well as which settings work best.
- For best results, buy top-grade meat. Meat that is at least 3/4-inch thick will grill better than thinner cuts.
- For the attractive "branded" look on steaks, be sure the grill is preheated. Allow one side of the meat to cook to the desired doneness, or until the juices appear on the top surface, before turning. Turn steaks and hamburgers just once. Moving the food around causes loss of juices.

- When basting meats or applying sauces to foods, remember that excessive amounts wind up inside your grill and do not improve the food flavor. Apply sauces during the last 15 to 20 minutes of cooking time unless the recipe specifies otherwise. Sugar-based marinade (for example, barbecue sauce) will caramelize on grill grate and will create a cleaning chore.
- There are many meat marinades which will help tenderize less expensive cuts of meat for cooking on the grill.
- Certain foods, such as poultry and non-oily fish, may need some extra fat. Brush with oil or melted butter occasionally while grilling.
- Use tongs with long handles or spatulas for turning meats. Do not use forks because these pierce the meat, allowing juices to be lost.
- To help retain meat juices, salt after turning meat or after cooking is completed.
- Score the fat on the edges of steaks but do not cut into the meat to prevent curling while cooking.

Operating Instructions

Туре	Control Setting	Cooking Time	Procedure
Meat			
Steak (1/2"-3/4")			
Rare	HI	6 to 10 minutes	Turn after 3 to 5 minutes.†
Medium	H	10 to 16 minutes	Turn after 5 to 8 minutes.
Well	H	21 to 24 minutes	Turn after 6 to 12 minutes.
	111	ZT to Z4 minutes	Turri alter o to 12 minutes.
Steak (1"-1¼")	1 11	11 += 01	Turne after 7 to 10 minutes t
Rare	HI	14 to 24 minutes	Turn after 7 to 12 minutes.†
Medium	HI	18 to 30 minutes	Turn after 9 to 15 minutes.
Well	HI	24 to 34 minutes	Turn after 12 to 17 minutes.
Hamburgers (3–4 oz.)	Medium	20 to 25 minutes	Turn after half the time.
Pork chops	Medium	20 to 30 minutes	Turn occasionally.
Fully cooked smoked pork chops	Medium	10 to 15 minutes	Turn after half the time.
Ham slices	Medium	15 to 20 minutes	Turn after half the time.
Pork ribs	Medium	50 to 65 minutes	Turn occasionally. Brush
T OTK TIDO	Weddin	ee te ee minutes	with barbecue sauce during
			the last 15 minutes.
Fully applied sources			the last 15 minutes.
Fully cooked sausages	1.11	7 + 10 - 1 + +	There is a start of the
Hot dogs, brats	HI	7 to 12 minutes	Turn occasionally.
Polish	HI	13 to 16 minutes	Turn occasionallý.
Fresh sausages			
Links	Medium	15 to 25 minutes	Turn occasionally.
Patties (3" diameter)	Medium	15 to 20 minutes	Turn after half the time.
Italian sausage	Medium	25 to 30 minutes	Pierce casing with a fork.
-			Turn once.
Lamb chops	Medium	20 to 30 minutes	Turn occasionally. Brush with
			glaze, if desired.
Poultry			
Chicken			
Pieces: bone-in	Medium	35 to 50 minutes	Turn occasionally.
Boneless breasts	Medium	25 to 35 minutes	Turn occasionally.
Wings	Medium	25 to 35 minutes	Turn occasionally.
	Medium		
Cornish hen (halved)	WEOIUIII	35 to 45 minutes	Turn occasionally.
Fish	A.4. 17		
Small, whole (1")	Medium	15 to 20 minutes	Brush with butter. Turn after
			half the time.
Steaks (1")	Medium	20 to 25 minutes	Brush with butter. Turn after
			half the time.
Fillets—with skin on (1/2")	Medium	10 to 15 minutes	Start skin side down. Brush
			with butter. Turn after half
			the time.
Shrimp (skewered)	Medium	10 to 20 minutes	Turn and brush with butter
chimp (okewered)	mouturn		or marinade frequently.
Bread			1 1
Garlic bread	Medium	4 to 6 minutes	Turn after half the time.
Hot dog or hamburger buns	Medium	1 to 2 minutes	Turn after half the time.
not dog of hannburger buris	MEUIUII	T to Z HIMULES	

Preheat the grill on high for 5 to 10 minutes for best flavor.

† The U. S. Department of Agriculture says "Rare beef is popular, but you should know that cooking it to only 140°F means some food poisoning organisms may survive." (Source: <u>Safe Food Book. Your Kitchen Guide.</u> USDA Rev. June 1985.)

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Care and Cleaning

Troubleshooting Tips

Griddle.

Griddle Accessory Using the griddle:

- 1. Before the first use, wash your new griddle in hot soapy water, rinse and dry. Then "condition" the surface by wiping on a thin coating of cooking oil or shortening. Remove excess oil or shortening by wiping again with another paper towel.
- 2. Insert grill burner. DO NOT use grill grate.
- 3. Place griddle over grill burner so that the drain holes are in front. This will permit excess grease to be collected in the grease container.
- 4. Preheat the griddle 5 to 10 minutes at the specified setting as noted in the Griddle Guide.
- 5. Use non-metallic spatulas or utensils while cooking to prevent damaging the finish.

IMPORTANT:

IN CASE OF A POWER FAILURE, THE VENTILATION SYSTEM WILL NOT OPERATE. DO NOT USE THE GRILL MODULE OR GRIDDLE IF THE VENTILATION SYSTEM IS NOT OPERATIONAL.

Griddle Guide

NOTE: These are suggested guides for control settings and times. Factors such as low gas pressure may affect the times and control settings which provide the best results. Preheat 5 to 10 minutes at specified setting.

Food Item	Control Setting	Approximate Cooking Time First Side	Approximate Cooking Time Second Side
Bacon	Medium	4–5 minutes	3–4 minutes
Buns	HI	2–3 minutes	
Eggs	Medium	2–3 minutes	1 minute
Fish sticks (frozen)	Medium	7–8 minutes	5–7 minutes
Ham slice	Medium	6–7 minutes	5–6 minutes
Hamburgers	Medium	5–7 minutes	4–6 minutes
Hot dogs	HI	5 minutes	5 minutes
French toast	HI	2–4 minutes	2–3 minutes
Grilled cheese sandwiches	HI	2–3 minutes	2–3 minutes
Pancakes	HI	1–2 minutes	1–2 minutes
Sausage patties	Medium	6–8 minutes	4–5 minutes

Safety Instructions

Before Cleaning

Before cleaning any part of your cooktop, be sure all controls are off and **DISCONNECT ELECTRICAL POWER TO THE COOKTOP** at the fuse box or circuit breaker panel, or pull the

Control Knobs and Control Panel Seal

After grilling there may be soot on the knobs and control panel seal. This soot can be removed by scrubbing with a plastic scrubber and mild dishwashing detergent. The control knobs may be removed for cleaning.

To remove a knob, pull it straight up.

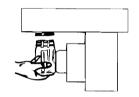
cooktop power plug, located beneath the cooktop and inside the cabinets.

Do not operate the cooktop without all parts in place.

Wash the knobs in soap and water but do not soak. Avoid getting water down into the knob stem holes.

Wipe with a sponge, damp cloth or paper towel. Do not scrub with steel wool pads or abrasive cleansers.

To replace a knob, match the flat part of the knob opening with the flat side of the shaft.



Grease Jar

A grease jar is located below the grill basin pan under the countertop. Check periodically to prevent spillovers. Unscrew and remove. If the jar is broken, replace with any heat tempered jar, such as a canning jar, that has a wide mouth screw neck.

Porcelain Cooktop

The porcelain enamel finish is sturdy but breakable if misused. This finish is acid-resistant. However, any acidic foods spilled (such as fruit juices, tomato or vinegar) should not be permitted to remain on the finish.

If acids spill on the cooktop while it is

hot, use a dry paper towel to wipe it up right away. When the surface has cooled, wash with soap and water or cleansing powders. Rinse well.

Stainless Steel Surfaces

Do not use a steel wool pad; it will scratch the surface.

To clean the stainless steel surface, use warm sudsy water or a stainless steel cleaner or polish. Always wipe the surface in the direction of the grain. Follow the cleaner instructions for cleaning the stainless steel surface.

To inquire about purchasing stainless steel appliance cleaner or polish, or to find the location of a dealer nearest you, please call our toll-free number:

National Parts Center 800.626.2002

ge.com

For other spills, such as fat spatterings,

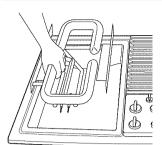
wash with soap and water or cleansing powders after the surface has cooled. Rinse well. Polish with a dry cloth. **Operating Instructions**

ge.com

Care and Cleaning

Troubleshooting Tips

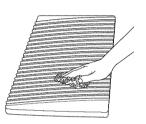
Care and cleaning of the cooktop.



Grill Burner

The grill burner should be cleaned after

each use. It can be cleaned with a nonabrasive pad or in the dishwasher. Rinse and dry thoroughly before using again. For heavy soil, the burner should be cleaned first with a soapy steel wool pad, rinsed and dried. Then it can be cleaned in a self-cleaning oven for two hours. **NOTE:** Check to be sure all burner ports are open. To open clogged ports, insert a twist tie directly into each port.



Grill Grate

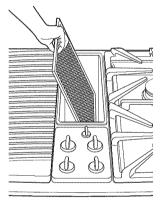
The grate should be cleaned after each use. It can be cleaned with detergent and a plastic scrubber, such as Tuffy, or washed in the dishwasher if burned-on residue is first removed. For heavy soil, the grate can be soaked in hot, soapy water mixed with household ammonia. Do not use metal brushes or abrasive scouring pads or other scrubbers intended to clean outdoor grills. These will remove the finish as well as scratch the grate. Do not clean in a self-cleaning oven or use oven cleaners on the grate.

Care and Cleaning

Safety Instructions

Operating Instructions





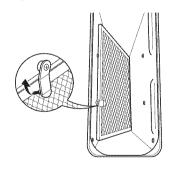
Vent Grille and Filter

Vent Grille: The vent grille lifts off easily. Wipe clean or wash in the sink with mild household detergents. **NOTE:** On models with a white vent grille, stubborn stains may be removed by soaking the grille in a 50/50 mix of bleach and water overnight. After cleaning, rinse the grille thoroughly and dry it before replacing.

Filter: Turn off the fan before removing. Turn the filter retainer clip to remove the filter. The filter is a permanent type and should be cleaned when soiled. Clean in the sink with warm water and liquid dishwashing detergent.

IMPORTANT: Do not operate the fan without the filter. The filter should always be placed at an angle. As you face the front of the cooktop, the top of the filter should rest against the left side of the vent opening and the bottom of the filter should rest against the right side of the ventilation chamber at the bottom. If the filter is flat against the fan wall, ventilation effectiveness is reduced.

Ventilation Chamber: This area, which houses the filter, should be cleaned in the event of spills or whenever it becomes coated with a film of grease. The ventilation chamber may be cleaned with a paper towel, damp cloth or sponge and a mild household detergent or cleanser.



When replacing the filter, make sure it rests, at an angle, on the supports in the vent opening. Latch it in place.

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Igniters

It is important to keep igniter port openings on burners clear and free of obstructions to avoid ignition failure and possible gas buildup. If the port openings are blocked, use a twist tie to remove food particles.

Griddle Accessory

DO NOT immerse a hot griddle in cold water.

Once the griddle has cooled, wash with soap or detergent in hot water in the sink. Be sure to remove all food residue before cooking on the griddle again.

Sealed Burner Module

Cooktop Surface:

To prevent the cooktop from discoloring or staining:

- Clean the cooktop after each use.
- Wipe up acidic or sugary spills as soon as the cooktop has cooled, because these spills may discolor the porcelain.

Sealed Burners:

The sealed burners of your cooktop are secured to the cooktop module and are not designed to be removed. Since the burners are sealed into the module, boilovers or spills will not seep underneath the cooktop. However, the burner heads should be cleaned after each use. Remove stubborn spots with a plastic scouring pad. For best results, use only those cleaning products which are recommended for use when cleaning non-stick surfaces. Do not use steel wool or coarse scouring pads.

DO NOT wash in a dishwasher.

Burner Grate:

The grate must be properly positioned before cooking. Improper installation of the grate may result in chipping of the cooktop.

Do not operate burners without a pan on the grate. The grate's porcelain finish may chip without a pan to absorb the heat from the burner flame.

Although the burner grate is durable, it will gradually lose its shine and/or discolor, due to the high temperatures of the gas flame.

Burner Caps:

Lift off when cool. Wash burner caps in hot, soapy water and rinse with clean water. You may scour with a plastic scouring pad to remove burned-on food particles.

Porcelain Burner Basin

This area is located under the grill and surface burners and should be cleaned after each use of the grill.

To remove light soil, clean with soapy water or with a cleaner such as 409° . For easier cleanup, soak paper towels in a household cleanser, lay in the burner basin and soak for at least a half hour or longer. To remove moderate soil, scrub with Comet[®], Bon Ami[®], a soft scrub cleanser or plastic scrubber.

To remove stubborn soil, spray with an oven cleaner. Let soak overnight. Wipe clean. Rinse and dry.

Safety Instructions

Installation Instructions

Gas Downdraft Cooktop

If you have questions, call 800.GE.CARES (800.432.2737) or visit our Website at: ge.com

In the Commonwealth of Massachusetts:

- This product must be installed by a licensed plumber or gas fitter.
- When using ball-type gas shut-off valves, they shall be the T-handle type.
- A flexible gas connector, when used, must not exceed 3 feet.

BEFORE YOU BEGIN

Read these instructions completely and carefully.

- **IMPORTANT** Save these instructions for local inspector's use.
- **IMPORTANT** Observe all governing codes and ordinances.
- Note to Installer Be sure to leave these instructions with the Consumer.
- Note to Consumer Keep these instructions for future reference.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.

FOR YOUR SAFETY

- If You Smell Gas:
- 1. Open windows.
- 2. Don't touch any electrical switches.
- 3. Extinguish any open flame.
- 4. Immediately call your gas supplier.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

A WARNING – Before beginning the

installation, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

IMPORTANT SAFETY INSTRUCTIONS

The cooktop has been design-certified by CSA International. As with any appliance using gas and generating heat, there are certain safety precautions you should follow. You'll find these precautions in the *Important Safety Instuctions* section in the front of this Owner's Manual. Read them carefully.

- Be sure your cooktop is installed properly by a qualified installer or service technician.
- The cooktop must be electrically grounded in accordance with local codes, or in their absence, with the National Electrical Code ANSI/NFPA No. 70—Latest Edition.
- Installation of this cooktop must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1/NFPA 54—Latest Edition.
- Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, manufacturer (dealer) or the gas supplier.
- Disconnect electrical supply before servicing.
- Never reuse old flexible connectors. The use of old flexible connectors can cause gas leaks and personal injury. Always use **NEW** flexible connectors when installing a gas appliance.
- Make sure the wall coverings around the cooktop can withstand heat generated by the cooktop up to 200°F.
- Avoid placing cabinets above the cooktop.
- If cabinets are placed above the cooktop, allow a minimum clearance of 30" between the cooking surface and the bottom of protected cabinets.
- A non-combustible material must be installed on the under side of the cabinet. Use a flame retardant millboard at least 1/4'' (6.3 mm) thick, or gypsum board at least 3/16'' (4.7 mm) thick, covered with 28 gauge sheet steel or 0.020'' (.5 mm) thick copper. The maximum depth of cabinets above the cooktop is 13'' (33 cm).

UNPACK YOUR COOKTOP

Burner Grate

PARTS INCLUDED

- Cooktop with side holddown bolts (2)
- Blower assembly
- Blower plenum
- Vent guard and mounting nuts (4)
- Sheet metal screws (7)
- Vent grille
- Vent filter
- Sealed burner module
- Sealed burner grate
- Grease jar

- Sealed burner caps (2)
- Gas pressure regulator
- Attached 120-volt grounded plug cord
- LP Conversion (attached to the electrical box)

Vent Grille Sealed Burner Module Shipping Tape < Sealed Burner Caps (2) ᠿ D D Cooktop with Side Hold-Down Bolts (2) Vent Guard and Grease Mounting Nuts (4) Jar Sheet Metal Screws (7) Vent Gas Filter Pressure Blower **Blower Assembly** Regulator Plenum

TOOLS AND PARTS NEEDED

- Large flat-blade screwdriver
- Phillips screwdriver
- 3/8" socket and ratchet
- Saw
- Carpenter's square
- Pipe wrench
- Gas line shut off valve
- Pipe joint sealant for use with gas connections that resists action of LP gas

For flexible connection where local codes permit:

- Flexible metal tubing (same 3/4" or 1/2" I.D. as gas supply line)
- Flare union adapter for connection to supply line (3/4" NPT x 3/4" I.D. or 1/2" NPT x 1/2" I.D.)
- Flare union adapter for connection to regulator (1/2" NPT x 3/4" I.D. or 1/2" I.D.)

For rigid connection:

• Pipe fittings as required

IMPORTANT

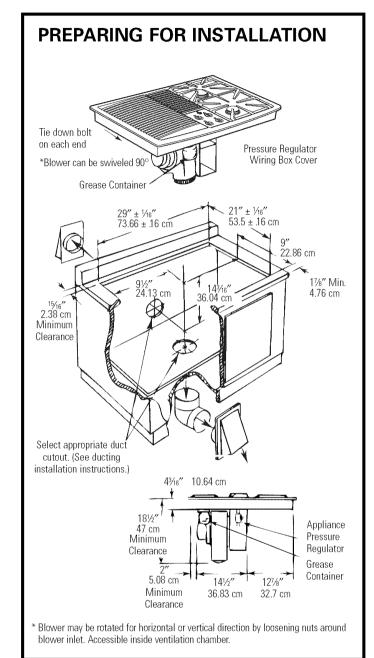
Motor Clearance—Provide 2" min. (5.1 cm) cabinet clearance to motor for cooling purpose.

NOTE: Where possible, 6" (15.2 cm) is recommended for motor/blower service.

Side Clearance—Grills installed near a side wall should allow a minimum clearance of 8″ (20.3 cm).

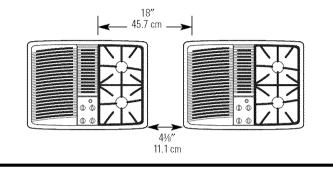
You must allow room enough to remove and empty grease container(s).

CAUTION: Warranty is void on equipment installed other than as recommended by GE. Recommended wall caps and transitions must be used for proper operation and installation.

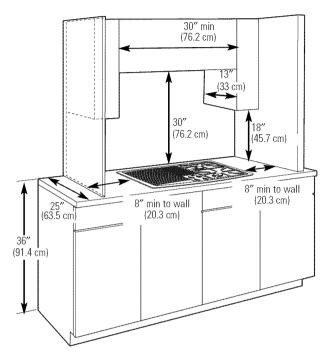


MINIMUM SPACING REQUIREMENT

When installing a double bay downdraft cooktop in combination with another downdraft cooktop, maintain the minimum spacing between units as shown below. Installing them too close will affect cooking performance.



1 INSTALLING CABINETS OVER YOUR COOKTOP



Avoid placing cabinets above the cooktop unit, if possible, in order to reduce the hazards caused by reaching over heated surface units.

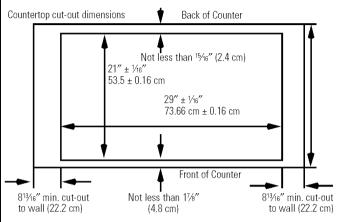
If the cabinets are installed above the cooktop, allow a minimum 30" (76.2 cm) clearance between the cooking surface and the bottom of the cabinet.

A non-combustible material must be installed on the under side of the cabinet. Use a flame retardant millboard at least 1/4'' (6.3 mm) thick, or gypsum board at least 3/16'' (4.7 mm) thick, covered with 28 gauge sheet steel or 0.020'' (.5 mm) thick copper. The maximum depth of cabinets above the cooktop is 13'' (33 cm).

EXCEPTION: Installation of a listed microwave oven or cooking appliance over the cooktop shall conform to the installation instructions packed with that appliance.

Working areas adjacent to the cooktop should have an 18'' (45.7 cm) minimum clearance between the countertop and the bottom of the cabinet. If the clearance is less than 18'' (45.7 cm), the adjacent cabinets should be at least 8'' (20.3 cm) from the side of the cooktop.

2 PREPARING THE COUNTERTOP



Cut out the opening as shown in the diagram. Measure carefully when cutting the countertop, making sure the sides of the opening are parallel and the front and rear cuts are exactly perpendicular to the sides.

The front of the opening must clear the front support rail on the cabinet, and the rear of the opening must clear the rear support of the cabinet.

Chamfer all exposed edges of decorative laminate to prevent damage from chipping.

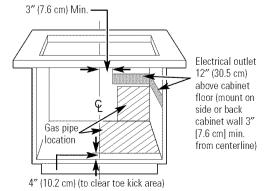
Radius corners of cutout and file to ensure smooth edges and prevent corner cracking.

Rough edges inside corners which have not been rounded and forced fit can contribute to cracking of the countertop laminate.

Countertop must be supported within $3^{\prime\prime}$ (7.6 cm) of cutout.

3 GAS AND ELECTRICAL LOCATION

The position of the electrical supply receptacle and the gas supply pipe entering the cabinet should be positioned as shown in the shaded areas marked below. The cooktop is equipped with a 4 ft (1.2 m) power cord, which should reach any desired location on the cabinet walls. The cooktop must be disconnected from the power supply before any servicing is carried out.



4 PROVIDE ADEQUATE GAS SUPPLY

This cooktop is designed to operate on natural gas only at 5" (12.7 cm) of water column pressure or on LP gas at 10" (25.4 cm) of water column pressure. It is shipped from the factory set for natural gas. If you decide to use this cooktop with LP gas, conversion adjustments must be made by a service technician or other qualified person.

A pressure regulator is to be connected in series with the manifold of the cooktop and must remain in series with the supply line, regardless of whether natural or LP gas is being used.

For proper operation, the maximum inlet pressure to the regulator must be no more than 10'' (25.4 cm) water column pressure for natural gas, or 14'' (35.5 cm) water column pressure for LP gas. For checking the regulator, the inlet pressure must be at least 1'' (2.5 cm) greater than the regulator output setting. If the regulator is set for 5'' (12.7 cm) of water column pressure, the inlet pressure must be at least 6'' (15.2 cm).

For ease of installation, and if local codes permit, the gas supply line into the cooktop should be 1/2'' (13 mm) or 3/4'' (19 mm) I.D. flexible metal appliance connector three (0.9 m) to five feet (1.5 m) in length.

5 PRESSURE TESTING

The maximum gas supply pressure for the regulator supplied on this appliance is 14" (35.5 cm) W.C. The test pressure for checking this regulator must be at least 6" (15.2 cm) W.C. for natural gas, and at least 11" (27.9 cm) W.C. for LP. It is shipped from the factory set for natural gas at 5" (12.7 cm) W.C.

This appliance 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 in excess of ½ PSIG.

This appliance 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 ½ PSIG.

22

6 PREPARE FOR DUCTWORK

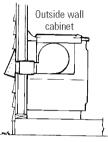
NOTE: Ductwork MUST be vented outside. DO NOT vent into a wall, ceiling, crawlspace, attic or any concealed space.

Determine the best route for ductwork; it can be routed in a variety of ways depending on the kitchen layout.

IMPORTANT: The downdraft air discharge outlet for this unit is $3-1/4'' \ge 10''$ rectangular. Plan ducting accordingly.

Typical duct arrangement countertop series.

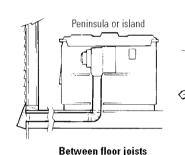




Up inside wall to roof or overhang

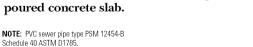
Directly to outside

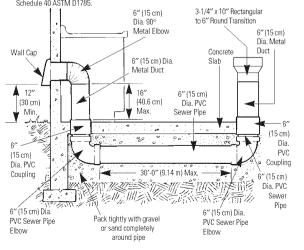
Peninsula



Through cabinet toe space

Optional duct arrangement under concrete slab. PVC duct should be used if installing under a





7 BLOWER TO DUCTWORK ALIGNMENT

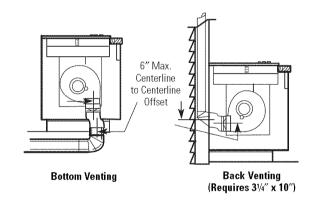
In general, the use of flexible ducting is discouraged because it can cause severely restricted airflow. However, if the blower outlet and the floor or wall duct location do NOT align well, then flexible METAL ducting can be used to adapt to an offset. Good alignment without use of flexible ducting is best.

NOTE:

Do not exceed the maximum recommended offset of 6''.

Do not allow the flexible ducting to kink or collapse.

Do stretch the flexible ducting as much as possible to eliminate as much of the corrugation as possible.



A 3¼" x 10" rectangle to 6" round transition duct is available at your local building supply store. **NOTE:** Illustrations are for planning purposes only.

8 PLAN THE DUCT RUN

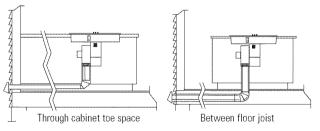
- 1. Make a sketch of the total system. Identify the type of each fitting and the length of straight pipe. Refer to the examples on page 25.
- 2. Enter your run into the Duct Length Chart on page 25. Elbows, wall caps and other fittings are shown in the chart with their equivalent straight duct length. Each fitting value must be added to the amount of straight duct length used to determine the overall straight duct equivalent length. Use the following examples as a guide.
- **3.** Using good quality ducting material, install per these instructions. A few minutes and pennies spent now will pay long term dividends for the life of the cooktop.

9 INSTALL THE DUCTWORK

- Ducting must conform to local code materials.
- **IMPORTANT:** Save for local electrical inspector's use.
- Use galvanized or aluminum duct in 6" round or 3¼" x 10" size, or a combination of both.

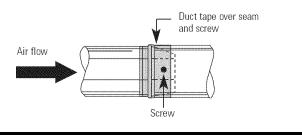
NOTE: Local building codes must be followed in specifying approved type and schedule of ALL duct used.

• Always use an appropriate roof or wall cap with damper.



Downward venting

- Laundry type wall caps should NEVER be used.
- Install ductwork, making male-female connections in the direction of airflow as shown. Secure all joints with sheet metal screws and duct tape to assure an airtight seal.



- Use the shortest and straightest duct run possible. For satisfactory performance, the duct run should not exceed 100 feet equivalent length.
- Use the *Duct Length Chart* on page 25 to find the equivalent length of the run.
- Ducting a cooktop is easy but critical for proper performance.
- After reading these instructions, plan the duct run.
- Install the duct hardware.

GENERAL CONSIDERATIONS:

- 1. Use quality metal duct of at least 26-gauge galvanized or 24-gauge aluminum. Inferior quality pipe and fittings can cause up to twice the restriction shown and is a poor value. See the *Prepare for Duct Work* section of this manual for optional under-slab ducting. Local codes may require a heavier gauge material or restrict PVC.
- **2.** Distance between adjacent fittings (elbows, transitions, etc.) should be at least 18". The farther the better. Closer distance promotes turbulence which reduces airflow.
- **3.** The number of downstream elbows or transitions should be limited to three.
- 4. Handmade crimps are likely to cause restrictions.
- **5.** If an alternate wall or roof cap is used, be certain duct size is not reduced and that there is a backdraft damper. It is best to use listed caps to be certain of proper performance.
- **6.** Thermal breaks: In areas of extreme cold weather, it may be necessary to provide a short length of nonmetallic duct as close to the wall as possible to prevent conduction along the metal duct.
- **7.** High altitude installations: It is advisable to reduce allowable duct run by 20%.
- **8.** Follow the duct calculation in this manual carefully for best performance and satisfaction.

DUCTWORK CALCULATIONS

Calculat	e Total Eq	uival	ent]	Duc	ctwork	c Length
Duct Piece	3	Equiva Length	lent n* x	Nu Us	mber ed =	Equivalent Length
	6″ round straight	1 ft.	х	()† =	ft.
	3¼″ x 10″ straight	1 ft.	x	()† =	ft.
	6″, 90° elbow	15 ft.	x	() =	ft.
\bigcirc	6″, 45° elbow	9 ft.	x	() =	ft.
	24″ max. Flexible Metal Offset Adapter	34 ft.	x	()=	ft.
	3¼″ x 10″ 90° elbow	16 ft.	x	() =	ft.
	3¼″ x 10″ 45° elbow	5 ft.	x	()=	ft.
	3¼″ x 10″ 90° flat elbow	18 ft.	x	()=	ft.
	6″ round to 3¼″ x 10″ transition	7 ft.	x	() =	ft.
		Subtot	al Col	umn	1 =	ft.

Subtotal Column 1 =

*Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any downdraft cooktop.

† Measure and list feet of straight duct used. Count and list the quantity of all other duct pieces for the "Number Used" of each type.

IMPORTANT

For maximum efficiency, use the shortest and straightest duct run possible, with as few fittings as possible. For satisfactory performance, the duct run should not exceed 100 feet equivalent length.

Venting performance is improved by using larger diameter duct.

Duct Piece		Equiva Length		Nu Use	mber ed =	Equivalent Length
	6″ round to 3¼″ x 10″ transition 90° elbow	20 ft.	x	() =	ft.
	3¼″ x 10″ to 6″ round transition	5 ft.	x	() =	ft.
	3¼" x 10" to 6" round transition 90° elbow	12 ft.	x	()=	ft.
	6″ round wall cap with damper	21 ft.	x	() =	ft.
	3¼″ x 10″ wall cap with damper	27 ft.	x	() =	ft.
	6″ round roof cap	20 ft.	x	() =	ft.
	6″ round roof vent	24 ft.	x	() =	ft.
-	_	Subtot	al Col	lumn	2 =	ft.
		Subtot	al Col	lumn	1 =	ft.
		TOTAL	. DUC"	TWO	RK =	ft.
		Should	d not i	excei	ed 100 f	leet.

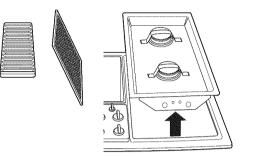
DO NOT use flexible plastic ducting.

Vent installation should not exceed 100 feet equivalent length.

INSTALL THE COOKTOP

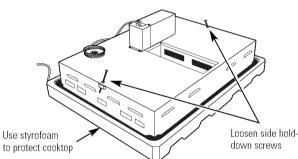
10 PREPARE THE COOKTOP

Remove the vent grille, vent filter, sealed burner module and the tape from the burner caps.

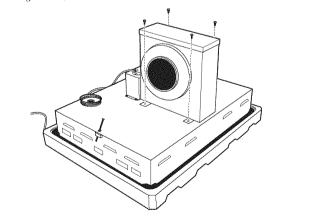


Turn the cooktop over (upside down) and gently place it on the styrofoam packing.

Unscrew (loosen) the side hold-down screws.



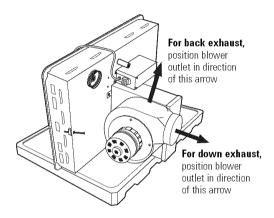
Install the plenum to the cooktop using 4 screws. The motor opening on the box goes toward the left side of the unit (the side with the grease jar lid).



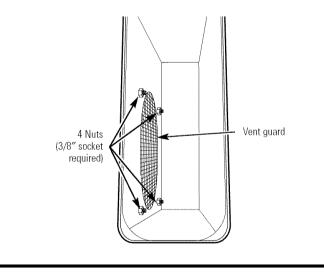
10 PREPARE THE COOKTOP (cont.)

Rotate the cooktop and plenum forward and carefully set it on its back edge on the styrofoam packing.

Install the blower assembly onto the plenum so that the blower exhaust is pointing down or back as needed. Push the bolts through the bolt holes in the plenum.



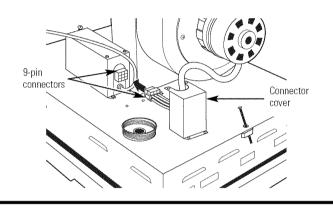
From the vent opening in the top of the cooktop, install the vent guard over the bolts. Use the 4 nuts to secure the blower assembly and vent guard to the inside of the plenum.



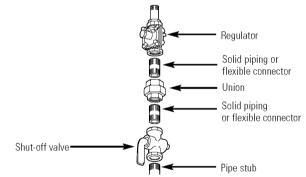
INSTALL THE COOKTOP

10 PREPARE THE COOKTOP (cont.)

Remove the blank 9-pin connector plug from the 9-pin receptacle on the bottom of the cooktop and discard. Connect the 9-pin plug on the blower assembly to the matching 9-pin receptacle on the bottom of the cooktop. Secure the connector cover to the cooktop using 3 screws, making sure the power cord comes out the U-shaped opening with the wires to the motor.



11 INSTALL THE PRESSURE REGULATOR AND CONNECT



Using pipe sealant, approved by local codes, install the supplied pressure regulator in the gas line as close to the cooktop inlet as possible. Allowances for ventilation ducting may be necessary.

Do not route the gas line under the access box under the cooktop. Allow room for removal of the connector panel for servicing.

Make sure the regulator is installed in the proper direction.

Install a manual shut-off valve in the gas line in an easily accessible location.

11 INSTALL THE PRESSURE REGULATOR AND CONNECT (cont.)

NOTE: Instead of using solid piping to connect to the pressure regulator, an approved flexible metal appliance connector may be used between the shut-off valve and the pressure regulator, if local codes permit.

Appropriate flare nuts and adapters are required at each end of the flexible connector.

Make sure all the knobs are in the off position. Hook up the gas line and check for leaks.

TEST FOR LEAKS

WARNING: DO NOT USE A FLAME TO CHECK FOR GAS LEAKS! Do not use the cooktop until all connections have been leak tested.

Perform leak test per the following instructions:

- 1. Purchase a liquid leak detector or prepare a soap solution of one part water, one part liquid detergent.
- **2.** When all connections have been made, make sure all cooktop controls are turned to **OFF** and turn the gas supply valve to **ON**.
- **3.** Apply the liquid leak detector or the soap solution around all connections from the shut-off valve to the cooktop.
- **4.** A leak is identified by a flow of bubbles from the area of the leak.
- **5.** If a leak is detected, turn the gas supply **off**. Tighten the fitting. Turn the gas on and test again.

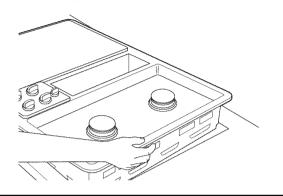
If the leak persists, turn the gas supply **off** and contact your dealer for assistance. Do not attempt to operate the cooktop if a leak is present.

IMPORTANT: Disconnect the cooktop and the individual shut-off valve from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2 psig. Isolate the cooktop from the gas supply piping system by closing the individual manual shut-off valve to the cooktop during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.

INSTALL THE COOKTOP

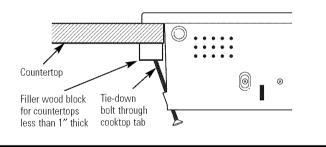
12 INSTALL THE COOKTOP

Lower the cooktop into the countertop opening, guiding it into position.



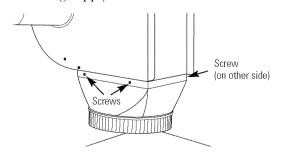
13 SECURE THE COOKTOP

Tighten the tie-down bolts to secure the cooktop to the counter. For countertops less than 1" thick, securely attach filler blocks of wood to the bottom of the countertop where the tie-down bolts will be tightened.



14 OPTIONAL: ATTACH A BLOWER TRANSITION DUCT

If using 6" round standard ductwork, attach a blower transition duct. This $3\frac{1}{4}$ " x 10" rectangle to 6" round transition duct is available at your local building supply store.



Install the transition duct to the blower outlet. Secure all joints with duct tape to assure an airtight seal.

15 CONNECT THE DUCTWORK

Connect the ductwork prepared **earlier** to the blower transition duct.

16 ELECTRICAL CONNECTION

Electrical requirements:

120-volt, 60-Ĥertz, individual, properly grounded branch circuit protected by a 15-amp circuit breaker or time-delay fuse.

GROUNDING

IMPORTANT: (Please read carefully.) FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED.

The power cord of this appliance is equipped with a three-prong (grounding) plug which mates with a standard three-prong grounding wall receptacle to minimize the possibility of electric shock hazard from this appliance. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded and has correct polarity.

Where a standard two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to have it replaced with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code.

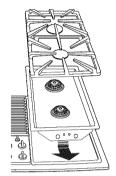
Do Not, Under Any Circumstances, Cut Or Remove The Third (Ground) Prong From The Power Cord.

Do not use an extension cord with this appliance. Plug the power cord into an approved wall outlet.

FINAL ASSEMBLY

17 ASSEMBLE THE COOKTOP

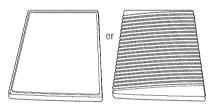
Install the sealed burner module, caps and grate on the right side of the unit. See page 10 for correct installation.

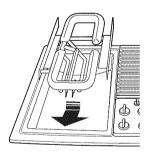


Install the optional sealed burner module or the grill/griddle burner on the left side of the unit.

If the grill/griddle burner was installed, place the grill grate or griddle cover over it as desired.

NOTE: The grill and griddle can be installed on the left side only.





Check for proper ignition:

Push in one control knob and turn to **LITE** position.

The igniter will spark and the burner will light; igniter will cease sparking when the burner is lit.

First test may require some time while air is flushed out of the gas line.

Turn knob to OFF.

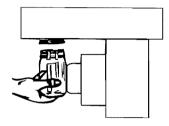
Repeat the procedure for each burner.

Adjust the air shutters (see LP Conversion Instructions).

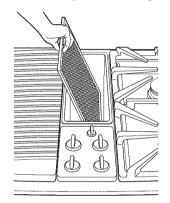
Adjust the low flame setting (see LP Conversion Instructions).

18 INSTALL GREASE JAR, DOWNDRAFT FILTER AND VENT GRILLE

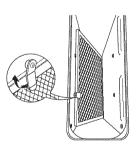
Screw the grease jar into the grease jar holder on the bottom of the cooktop.



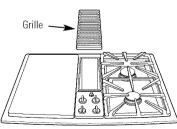
Do not operate the vent without the filter in place. Place the filter through the vent opening.



Make sure it rests, at an angle, on the supports in the vent opening. Latch it in place.



Place the vent grille onto the downdraft opening so that the open part of the grille is toward the rear of the unit.



CHECK OPERATION OF DOWNDRAFT

Turn the vent fan speed control to HI, MED and LO to make sure all speeds operate correctly.

LP Conversion Instructions

Gas Cooktop

Questions? Call 800.GE.CARES (800.432.2737) or Visit our Website at: ge.com

BEFORE YOU BEGIN

Read these instructions completely and carefully.

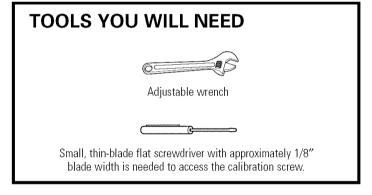
- **IMPORTANT** Save these instructions for local inspector's use.
- **IMPORTANT** Observe all governing codes and ordinances.
- Note to Installer Be sure to leave these instructions with the Consumer.
- Note to Consumer Keep these instructions for future reference.

FOR YOUR SAFETY:

WARNING – If you are using LP (bottled) gas, all adjustments described in the following steps must be made before attempting burner adjustments or use of the cooktop.

WARNING — This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

- This cooktop is factory set for natural gas operation. Conversion to LP operation should be performed by a qualified technician or installer. Keep these instructions for future reference. When converting to LP, save the original parts for possible future use.
- Product failure due to improper installation is not covered under the GE Appliance Warranty.



PARTS INCLUDED

PART		QUANTITY
	Brass orifices	4
	Stick-on conversion label	1

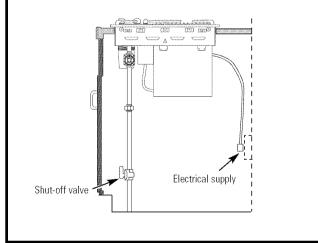
GAS SUPPLY

- With the installation of this conversion kit, the cooktop should operate on LP gas at 10" of water column pressure.
- The pressure regulator must be connected in series with the manifold of the cooktop and must remain in series with the supply line. For proper operation, the maximum inlet pressure to the regulator must be no more than 14" water column pressure for LP gas.
- When checking the regulator, the inlet pressure must be at least 1" greater than the regulator output setting. If the regulator is set for 10" of water column pressure, the inlet pressure must be at least 11."

IMPORTANT – Disconnect the cooktop and the individual shut-off valve from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2 psig. Isolate the cooktop from the gas supply piping system by closing the individual manual shut-off valve to the cooktop during any pressure testing of the gas supply piping system at test pressures equal to or greater than 1/2 psig.

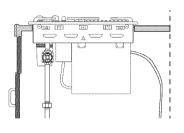
TURN OFF GAS AND ELECTRIC SUPPLY

BEFORE YOU BEGIN, TURN OFF THE GAS SUPPLY AT THE SHUT-OFF VALVE. DISCONNECT THE ELECTRICAL SUPPLY FROM THE COOKTOP.

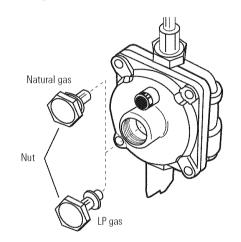


1 CONVERT THE PRESSURE REGULATOR

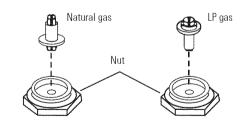
A Locate the pressure regulator under the front of the cooktop.



B Remove the nut from the pressure regulator with an adjustable wrench.

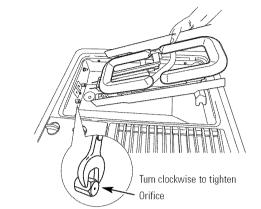


C Remove the plastic pin from the inside of the nut, turn the pin 180° and snap the pin back into the nut.



- **D** Re-install the nut onto the regulator.
- E Apply the LP Conversion label next to the Rating Plate.

2 CONVERT SURFACE BURNERS



Turn counterclockwise to remove

- A Remove all grates and burner modules.
- **B** With an adjustable wrench or an open end wrench, remove the brass orifices.
- **C** Find the inscribed LP orifices in the holder in the front of the electric cover beneath the cooktop.
- D Install the inscribed LP orifices in place of the natural gas orifices.
- **E** Replace the burner modules and grates.
- **F** Keep all the spuds with your cooktop so you have them if you move or get a different gas hook-up.

LP	(Propane) Gas 10″ W.C.	P.
Bu	rner Output	Rating in BTU/HR	
Location	BTUs	Orifice Size	Engraving
Left Rear (LR)	9,100	.0354	LP
Left Front (LF)	9,100	.0354	LP
Right Rear (RR)	9,100	.0354	LP
Right Front (RF)	9,100	.0354	LP

3 ADJUST GRILL BURNER AIR SHUTTER Loosen screw Air shutter

The air shutters for the grill burner may need to be adjusted to get better flame appearance and ignition. The air shutters for the grill burner are located on the bottom of the grill burner. To access the air shutters, remove the grill grate, and then the grill burner. Loosen the screw and slide the air shutter backward or forward to increase or decrease the size of the air opening. Re-tighten the screw.

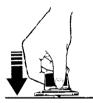
4 CHECK IGNITION

A Connect electrical supply cord.

B Turn on the gas; check for leaks using a liquid leak detector at all joints in the system.

WARNING: DO NOT USE A FLAME TO CHECK FOR GAS LEAKS.

Push in one control knob and turn to the **LITE** position. The igniter will spark and the burner will light. The first test may require some time while air is flushed out of the gas line. After ignition, turn the control knob



to the HI position and wait until the flame settles.

C Check to determine if your burner flames are normal. If burner flames look like **A**, turn off the burner and make sure all parts are assembled correctly. Reassemble and check.

Normal burner flames should look like **B** or **C**, depending on the type of gas you use. With LP gas, some yellow tipping on outer cones is normal.



Not normal; check alignments Normal for LP gas **-Soft blue flames** Normal for natural gas

D Turn the knob to **OFF**.

E Repeat the procedure for each burner.

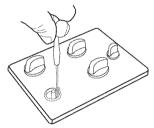
5 ADJUST THE LOW FLAME (SIMMER) SETTING

The top burner valves have low flame/simmer adjustment screws accessible through the valve switches. A flashlight may be needed to locate the screw. A small, thin-blade screwdriver (approximately 1/8" blade width) is needed to access the screw.

- A Light two other burners and set the knobs to a medium to high setting.
- **B** Light the burner to be adjusted and turn the knob to **LOW**.

C To make adjustment, remove the control knobs. Insert a screwdriver through the access hole in the valve switch. Engage the adjustment screw in the valve.

If the flames were too small or fluttered, open the valve more than the original setting.



If the flames are too large, close the valve more than the original setting.

D Make the adjustment by slowly turning the screw until the flame appearance is correct. For the left side, install the grill burner for the adjustment. The left side cannot be turned down as low as the right side if the grill burner is to be used.

Adjust the low flame setting using the valve bypass screw as follows:

Low setting adjustments must be made with two other burners in operation on a medium setting. This prevents the low flame from being set too low, resulting in the flame being extinguished when other burners are turned on.

E Testing Flame Stability:

- Test 1: Turn the knob from **HI** to **LOW** quickly. If the **LOW** flame goes out, increase the flame size and test again.
- Test 2: With the burner on the **LOW** setting, open and close the cabinet door under the cooktop. If the flame is extinguished by the air currents created by the door movement, increase the flame height and test again.
- Test 3: With the burner on the **LOW** setting, turn the downdraft vent fan to the **HI** position. If the flame is extinguished by the air currents created by the downdraft vent fan, increase the flame size and test again.

5 ADJUST THE LOW FLAME (SIMMER) SETTING (cont.)

F Flame Recheck:

Repeat the adjustment for each burner. After the adjustment is made, turn all burners off. Ignite each burner individually. Observe the flame at the **HI** position. Rotate the valve to the **LOW** position and be sure that the flame size decreases as the valve is rotated counterclockwise.

6 CONVERTING BACK TO NATURAL GAS

To convert the cooktop back to natural gas, reverse the steps taken to convert to LP.

	Natural G	as 5" W.C.P.		
Bu	Burner Output Rating in BTU/HR			
Location	BTUs	Orifice Size	Engraving	
Left Rear (LR)	10,000	.0550	NAT	
Left Front (LF)	10,000	.0550	NAT	
Right Rear (RR)	10,000	.0550	NAT	
Right Front (RF)	10,000	.0550	NAT	

Once the conversion is complete and checked OK, fill out the LP sticker and include your name, organization and date conversion was made. Apply the sticker near the cooktop gas inlet opening to alert others in the future that this appliance has been converted to LP gas. If converting back to natural gas from LP, please remove the sticker so others know the appliance is set to use natural gas.

NOTE: For operation at elevations above 5000 ft. (1500 m), equipment ratings shall be reduced at a rate of 2% for each 1000 ft. (300 m) above sea level before selecting appropriately sized equipment, i.e.: Use smaller orifices.

Before you call for service...



Troubleshooting Tips

Save time and money! Review the charts on the following pages first and you may not need to call for service.

Problem	Possible Causes	What To Do
Burners do not light	Plug on cooktop is not completely inserted in the electrical outlet.	• Make sure electrical plug is plugged into a live, properly grounded outlet.
	Gas supply not connected or turned on.	• See the <i>Installation Instructions</i> section.
	A fuse in your home may be blown or the circuit breaker tripped.	• Replace the fuse or reset the circuit breaker.
	Igniter orifice in burner body may be clogged.	• Remove the obstruction.
	Burner parts not replaced correctly.	• See Sealed Burner Modules in the <i>Care and cleaning</i> of the cooktop section.
	Hole in burner top behind the igniter may be clogged.	• Use a small sewing needle to unplug.
Burners have yellow or yellow-tipped flames or flames lift off the port	The combustion quality of burner flames needs to be determined visually.	
		A–Yellow flames B–Yellow tips on C–Soft blue flame Call for service outer cones Normal for natura. Normal for LP gas gas
		 If burner flame looks like <i>A</i>, call for service. Normal burner flames should look like <i>B</i> or <i>C</i>, depending on the type of gas.
	5 	NOTE: The grill burner will show orange flames from grease drippings.
	Burner parts not replaced correctly.	• See <i>Care and cleaning of the cooktop</i> section.

Safety Instructions **Operating Instructions Care and Cleaning**

rt Troubleshooting Tips

roblem	Possible Causes	What To Do	y In:
ames too high or too w at the LOW setting	Adjust the low flame setting. NOTE: The right side LOW flames should be smaller than the left side, because the left side can accommodate	 1 Light the top burners and continue turning all of the surface knobs to LOW. 2 Remove all 4 knobs. 3 With a small flat-blade screwdriver, turn the valve 	afety Instructions
	the grill burner. Do not adjust the left side unless you do not have a grill module.	set screws clockwise to decrease flame size, counterclockwise to increase flame size. Adjust until the flame is about the same height as the top of the burner. 4 Replace the knobs.	Operating Instructions
parking sound persists iter burner is turned off	Be sure the knob is in the OFF position.	• Remove knob by pulling it straight off the stem and check the bottom of the knob for any buildup of soil.	
ccasional parking sound	Changing blower speed.	• This is a typical electrical switching noise. This is normal.	
urner flames very rge or yellow	Burner parts not replaced correctly.	• See Care and cleaning of the cooktop section.	
ames are uneven	Burner ports may be clogged.	• See the <i>Care and cleaning</i> section.	Care
	Flame setting may need to be adjusted.	• See Flames too high or too low at the LOW setting in this Troubleshooting Tips section.	Care and Cleaning
ontrol knobs ill not turn	Controls improperly set.	• To turn from the OFF position, push the knob in and then turn. The knob can only be turned in a counterclockwise direction. When the knob is at any other position, it can be turned in either direction without being pushed in.	
an does not work	Cord improperly connected or power turned off.	• Check connections. Turn on power at the fuse box.	
an comes on utomatically	Grill is being used.	• This is normal. The fan comes on automatically when the grill is in use.	roubleshooting Tips
oor venting	Clogged filter.	• Clean filter per instructions.	ish
	House too airtight.	• Open a window slightly to provide fresh air source.	oot
	Wall cap obstructed.	• Remove blockage from exterior wall cap.	ing
	Wall cap damper door stuck.	• Check exterior wall cap damper door for free movement or obstruction.	Tips
	Duct length exceeds recommended 100 equivalent foot maximum.	• Reduce number of elbows to simplify duct run.	C.
reas of discoloration n the cooktop	Food spillovers not cleaned before next use.	• See the <i>Care and cleaning</i> section.	Consumer Support
later won't boil		• Cover pan with a lid.	ner
		• Turn the downdraft fan OFF until the water begins to boil.	Sut

ions	Notes.
Safety Instructions	
Operating Instructions	
Care and Cleaning	
Troubleshooting Tips	
Consumer Support	

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Place your confidence in GE and call us in the U.S. toll-free at **800.626.2224** for more information.

*All brands covered, up to 20 years old, in the continental U.S.

Please place in envelope and mail to:

General Electric Company Warranty Registration Department P.O. Box 32150 Louisville, KY 40232-2150 See Cut here

Consumer Product Ownership Registration

Dear Customer:

Thank you for purchasing our product and thank you for placing your confidence in us. We are proud to have you as a customer!

Follow these three steps to protect your new appliance investment:

your Cor Product Registrat Have the mind of can cont the unlik	e and mail issumer Ownership ion today. peace of knowing we act you in ely event of a diffication.	After mailing the registration below, store this document in a safe place. It contains information you will need should you require service. Our service number is 800.GE.CARES (800.432.2737).	Read your Owner's Manual carefully. It will help you operate your new appliance properly.
		odel Number	<u>Serial Number</u>
e o	nsure that your nline at ge.com.	and return the form product is registered Ownership Reg	l, or register
apportant		odel Number	<u>Serial Number</u>
(Importati Today!			
Mr. □ M. First Name ⊥ ↓	5. □ Mrs. □ Miss □	Last Name I I	
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City		State	e Zip Code I I I
Date Placed In Use Month	Day Year	Phone Number	
Applian General	asumer & Industrial imp ces 🗆 C Electric Company p e, KY 40225 FAII	ortant communications from GE Applian heck here if you do not want to receive c artners.	, via e-mail, discounts, special offers and other ices (GEA). communications from GEA's carefully selected HIS CARD DOES NOT DIMINISH YOUR
38		information about GEA's privacy and dat cy" or call 800.626.2224.	a usage policy, go to ge.com and click on "Privacy

GE Gas Cooktop Warranty.



All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at ge.com, or call 800.GE.CARES (800.432.2737). Please have serial number and model number available when calling for service.

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of: GE Will Replace:

One Year From the date of the original purchase **Any part** of the cooktop which fails due to a defect in materials or workmanship. During this *limited one-year warranty*, GE will also provide, **free of charge**, all labor and related service to replace the defective part.

What GE Will Not Cover:

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance.
- Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance.
- Damage caused after delivery.
- Product not accessible to provide required service.

EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. If the product is located in an area where service by a GE Authorized Servicer is not available, you may be responsible for a trip charge or you may be required to bring the product to an Authorized GE Service Location for service. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Troubleshooting Tips

Safety Instructions

Operating Instructions

Care and Cleaning



GE Appliances Website

Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals, order parts, catalogs, or even schedule service on-line. You can also "Ask Our Team of Experts™" your questions, and so much more...



Schedule Service

Expert GE repair service is only one step away from your door. Get on-line and schedule your service at your convenience 24 hours any day of the year! Or call 800.GE.CARES (800.432.2737) during normal business hours.



Real Life Design Studio

GE supports the Universal Design concept—products, services and environments that can be used by people of all ages, sizes and capabilities. We recognize the need to design for a wide range of physical and mental abilities and impairments. For details of GE's Universal Design applications, including kitchen design ideas for people with disabilities, check out our Website today. For the hearing impaired, please call 800.TDD.GEAC (800.833.4322).



Extended Warranties

Purchase a GE extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime, or call 800.626.2224 during normal business hours. GE Consumer Home Services will still be there after your warranty expires.



Parts and Accessories

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today, 24 hours every day or by phone at 800.626.2002 during normal business hours.

Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.



Contact Us

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to: General Manager, Customer Relations GE Appliances, Appliance Park Louisville, KY 40225



Register Your Appliance

Register your new appliance on-line—at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material.

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