

# Installation Instructions

## 36" Sealed Gas Cooktop

PGP976, PGP986, CGP650



Questions? Call 800.GE.CARES (800.432.2737) or Visit our Website at: [GEAppliances.com](http://GEAppliances.com)  
In Canada, call 1.800.561.3344 or Visit our Website at: [www.geappliances.ca](http://www.geappliances.ca)

### 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.
- Product failure due to improper installation is not covered under the Warranty.

**⚠ WARNING** — This appliance must be properly grounded.

- **IMPORTANT** — Leak testing of the appliance shall be conducted according to the manufacturer's instructions.
- Proper installation is the responsibility of the installer and product failure due to improper installation is NOT covered under warranty.

**⚠ WARNING** — Disconnect all electrical power at the main circuit breaker or fuse box before installing.

### FOR YOUR SAFETY:

**⚠ WARNING** — If the information in this manual is not followed exactly, a fire, explosion or gas leak 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!

Do not install this product with an air curtain hood or other range hood that operates by blowing air down on the cooktop. This airflow may interfere with operation of the gas burners resulting in fire or explosion hazard.



### 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.

This cooktop has been certified by UL. You'll find safety precautions in your Owner's Manual. Read them carefully.

- 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.
- Be sure your cooktop is installed properly by a qualified installer or service technician.
- To eliminate reaching over surface burners, cabinet storage above burner should be avoided.
- Do not install the unit near an outside door or where a draft may affect its use.

# Installation Instructions

## IMPORTANT SAFETY INSTRUCTIONS

### ELECTRICAL REQUIREMENTS

This appliance must be supplied with the proper voltage and frequency and connected to an individual, properly grounded branch circuit, protected by a circuit breaker or fuse having amperage as noted on the rating plate.

We recommend you have the electrical wiring and hookup of your cooktop connected by a qualified electrician. After installation, have the electrician show you where your main cooktop disconnect is located.

Check with your local utilities for electrical codes which apply in your area. Failure to wire your cooktop according to governing codes could result in a hazardous condition.

If there are no codes, your cooktop must be wired and fused to meet the requirements of the National Electrical Code, ANSI/NFPA No. 70—Latest edition. You can get a copy by writing:

National Fire Protection Association  
Batterymarch Park  
Quincy, MA 02269

In Canada your cooktop must be wired and fused to meet the requirements of the Canadian Electrical Code.

Be sure the installation of this product in a mobile home conforms with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280. If this standard does not apply, you must follow the standard for Manufactured Home Installations, ANSI/NCSBS A225.1 or with local codes where applicable.

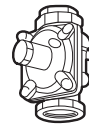
You can get a copy of the Federal Standard by Writing:

Office of Mobile Home Standards  
HUD Building  
451 7th Street, S.W.  
Washington, D.C. 24010

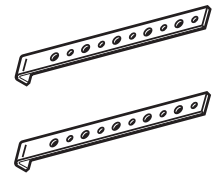
### PARTS INCLUDED



2 Screws



Regulator

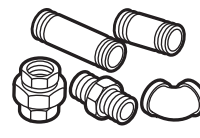


2 Hold  
Down Brackets

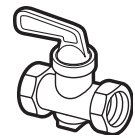
### MATERIALS YOU MAY NEED



Joint Sealant



Pipe Fittings



Shut-Off Valve



CSA-Approved Flexible Gas Line  
3/8" Min. ID, 1/2" NPT Connection,  
3-foot Maximum Length (Massachusetts Only)

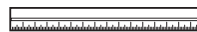
### TOOLS YOU WILL NEED FOR INSTALLATION



Pencil



Phillips-Head  
Screwdriver



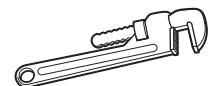
Ruler or Straightedge



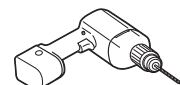
Safety Glasses



Saber Saw



Pipe Wrench

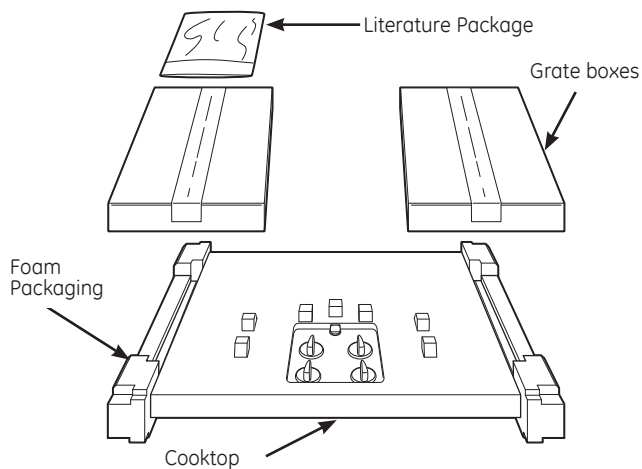


1/8" Drill Bit & Electric or  
Hand Drill

# Installation Instructions

## PRE-INSTALLATION CHECKLIST

- A** When preparing cooktop opening, make sure the inside of the cabinet and the cooktop do not interfere with each other. (See section on preparing the opening.)
- B** Remove packaging materials, grate boxes, regulator with literature, and literature package from the cooktop before beginning installation.



- C** Remove Installation Instructions from literature pack and read them carefully before you begin.

Be sure to place all literature (Owners Manual, Installation Instructions, etc.) in a safe place for future reference.

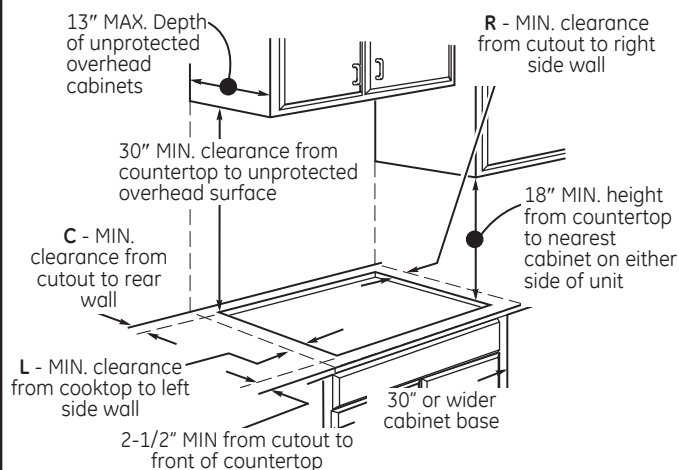


- D** Make sure you have all the tools and materials you need before starting the installation of the cooktop.
- E** Your home must provide the adequate electrical service needed to safely and properly use your cooktop. (Refer to section on electrical requirements.)
- F** When installing your cooktop in your home, make sure all local codes and ordinances are followed exactly as stated.
- G** Make sure the wall coverings, countertop and cabinets around the cooktop can withstand heat (up to 200°F) generated by the cooktop.

# Installation Instructions

## PREPARING THE OPENING

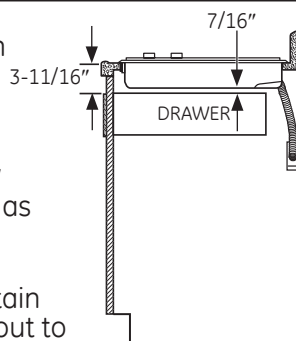
### 1 MAINTAIN THE FOLLOWING MINIMUM CLEARANCE DIMENSIONS



ALL HORIZONTAL CLEARANCES MUST BE MAINTAINED FOR A MINIMUM OF 18" ABOVE THE COOKING SURFACE.

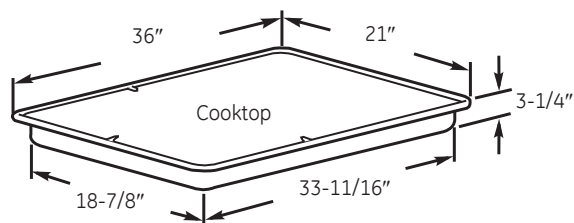
	L	R	C
PGP976	3-3/4"	6"	3-3/8"
PGP986	12"	12"	3-3/8"
CGP650	12"	12"	3-3/8"

**NOTE:** Allow 7/16" minimum vertical clearance from the cooktop bottom (or 3-11/16" minimum depth from the countertop) to any combustible surfaces, such as a cabinet drawer.



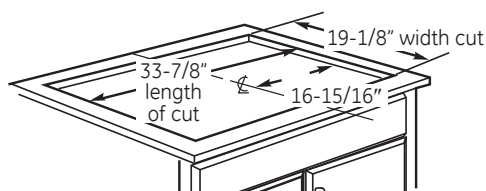
For island installation, maintain 2-1/2 in. minimum from cutout to front and back edge of countertop. Maintain 3 in. minimum from cutout to side edges of countertop.

### 2 OVERALL COOKTOP DIMENSIONS

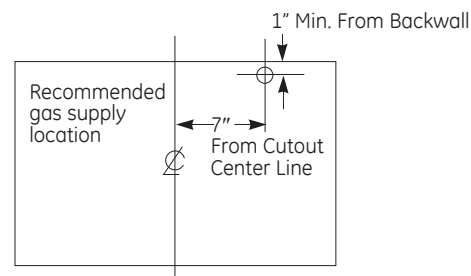


### 3 CUTOUT DIMENSIONS OF COUNTERTOP

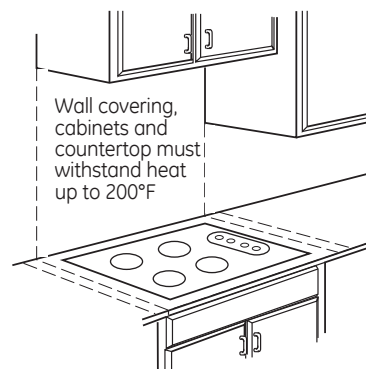
To ensure accuracy, it is best to make a template when cutting the opening in the counter.



### 4 RECOMMENDED GAS SUPPLY LOCATION FROM BACKWALL

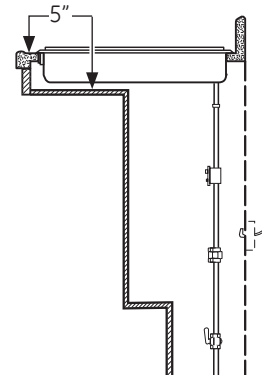


### 5 MAKE SURE WALL COVERINGS, COUNTERTOP AND CABINETS AROUND COOKTOP CAN WITHSTAND HEAT (UP TO 200°F) GENERATED BY COOKTOP



### 6 FOR AMERICANS WITH DISABILITIES ACT (ADA) FORWARD APPROACH INSTALLATION ONLY:

Allow 5" minimum depth between the countertop and an enclosure.



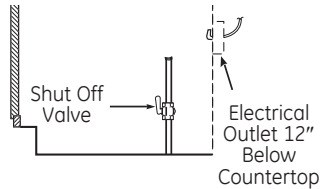
**NOTE:** The enclosure must be made of wood material. Also, an access panel is required for the electrical outlet, pressure regulator, shut-off valve, hold-down brackets, and service.

# Installation Instructions

## INSTALLING THE COOKTOP UNIT

### 1 LOCATE ELECTRICAL OUTLET AND GAS SHUT-OFF VALVE BENEATH CABINET

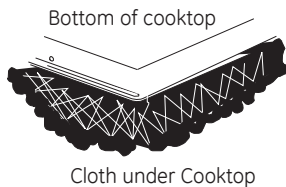
NEVER REUSE OLD CONNECTORS WHEN INSTALLING THIS UNIT.



Install a manual shut-off valve in the gas line in an easily accessible location outside the cooktop. Be sure you know how and where to shut off the gas supply to the cooktop. Install the electrical outlet 12" below the countertop.

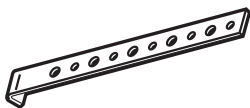
### 2 PROTECT SURFACE OF COOKTOP

Place a towel or tablecloth onto the countertop. Lay the cooktop upside down onto the protected surface.



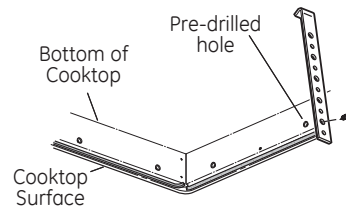
### 3 LOCATE MOUNTING PARTS

Remove the hold down brackets from the literature package.



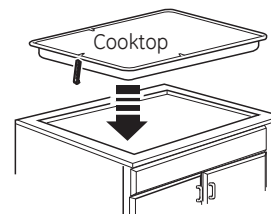
### 4 ATTACH BRACKETS TO COOKTOP

Remove the screw from the side of the cooktop and screw the hold-down bracket to the side of the cooktop unit. Repeat for opposite side of cooktop.



### 5 INSERT COOKTOP INTO CUTOUT

Insert the cooktop centered into the cutout opening. Make sure the front edge of the countertop is parallel to the cooktop. Make final check that all required clearances are met.



Once the unit is in place, screw the hold-down bracket into the cabinet sides to secure the unit into place.

# Installation Instructions

## INSTALLATION—GAS CONNECTIONS

### 1 PROVIDE ADEQUATE GAS SUPPLY

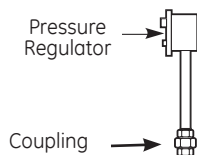
This cooktop is designed to operate on natural gas at 5" of water column manifold pressure and 7" of water column (W.C.) supply pressure. It is shipped from the factory set for natural gas. The convertible pressure regulator supplied with the unit must be connected in series with the manifold of the cooktop and must remain in series with the supply line regardless of whether natural or L.P. gas is being used. FOR PROPER OPERATION, THE MAXIMUM INLET PRESSURE TO THE REGULATOR MUST BE NO MORE THAN 14" OF WATER COLUMN PRESSURE. For checking the regulator, the inlet pressure must be at least 1" W.C.. (or 3.4 KPA) greater than the regulator output setting. If the regulator is set for 5" W.C. of water column pressure, the inlet pressure must be at least 6" W.C. If the regulator is set for 10" W.C., the inlet pressure must be at least 11" W.C.. The gas supply line to the cooktop should be 1/2" or 3/4" pipe.

### 2 INSTALL REGULATOR

NEVER REUSE OLD CONNECTORS WHEN INSTALLING THIS COOKTOP.

**! WARNING:** 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.

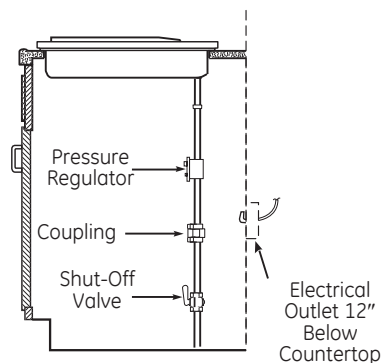
Screw a section of pipe onto the inlet end of the pressure regulator and install the coupling.



To reduce the likelihood of gas leaks, apply teflon tape or a thread compound approved for use with LP or Natural gases to all threaded connections.

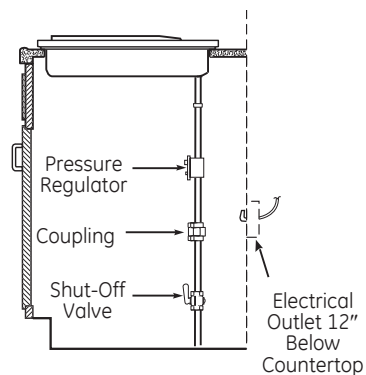
### 3 INSTALL REGULATOR ONTO BURNER BOX BOTTOM

Screw the regulator onto the burner box bottom pipe connection. Make sure the top of the regulator is facing towards the cabinet front, easily accessible through the cabinet doors. The regulator may also be installed prior to inserting the cooktop into the cutout if extreme caution is used to ensure the regulator connection is not compromised.



### 4 COMPLETE CONNECTION WITH A COUPLING

Complete the connection between the regulator, pipe coupling, and the shut-off valve.



# Installation Instructions

## 5 CHECK FOR LEAKS

LEAK TESTING OF THE APPLIANCE SHALL BE CONDUCTED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

Before testing for leaks, make sure all burner knobs are in the OFF position.

After connecting the cooktop to gas, check system for leaks with a manometer. If a manometer is not available, turn the gas supply on to the cooktop and use a liquid leak detector at all joints and connections to check for leaks.

Tighten all connections if necessary to prevent gas leakage in the cooktop or supply line.

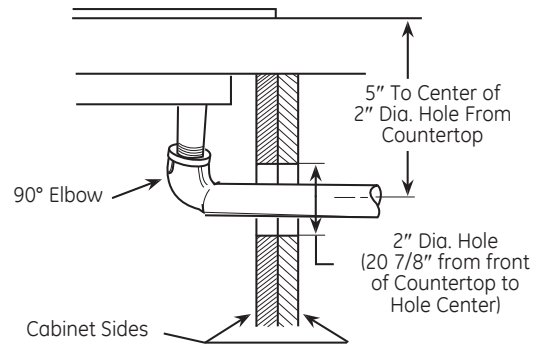
**DO NOT USE OPEN FLAME TO CHECK FOR LEAKS!**

Disconnect the cooktop and its 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 (3.5 kPa).

Isolate the cooktop from the gas supply piping system by closing its individual shut-off valve during any pressure testing of the gas supply system at test pressures equal to or less than 1/2 psig (3.5 kPa).

## 6 INSTALLATION OVER BUILT-IN OVEN

See built-in oven installation for complete installation instructions.



View from Front of Cooktop

# Installation Instructions

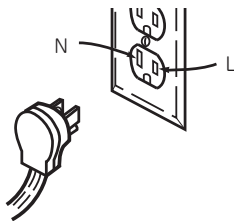
## INSTALLATION—ELECTRICAL CONNECTIONS

**⚠ WARNING** — Disconnect all electrical power at the main circuit breaker or fuse box before installing.

### ELECTRICAL SUPPLY AND OUTLET

An adequate electrical supply and outlet must be used to operate the electrical parts of your cooktop.

- A** The power cord of this appliance is equipped with a 3-prong (grounding) plug which must be used with a properly grounded 3-hole outlet with a standard 120 Volt, 60 cycle AC household current.
- B** If you do not have a 3-hole grounded outlet, have a qualified electrician change your old one. DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER CORD. DO NOT USE AN ADAPTER. DO NOT USE AN EXTENSION CORD.



Insure proper ground and firm connection before use

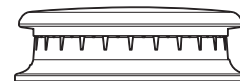
# Installation Instructions

## COOKTOP BURNERS

### 1 ASSEMBLING THE COOKTOP BURNERS

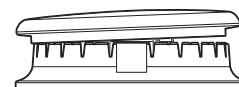
The electrode of the igniter is exposed. Be careful not to turn on any cooktop controls while the top of the burner is removed. Do not remove the top or touch the electrode of any burner while another burner is turned on. Electrical shock might result.

- A** Place the burner head onto the burner base. Make sure to place the correct burner head on the correct burner base and that the burner head sits level on the burner base. The burner heads are not interchangeable. Ensure the slot in the burner head is positioned over the electrode and that the burner head is fully inserted inside the burner base. A small gap between the base and head is normal.

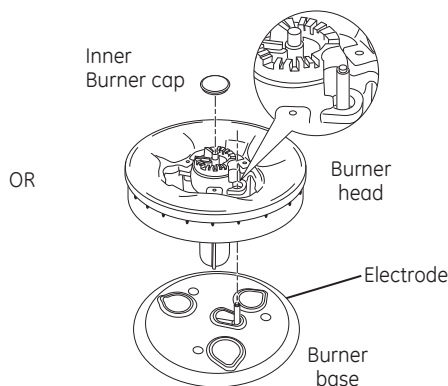
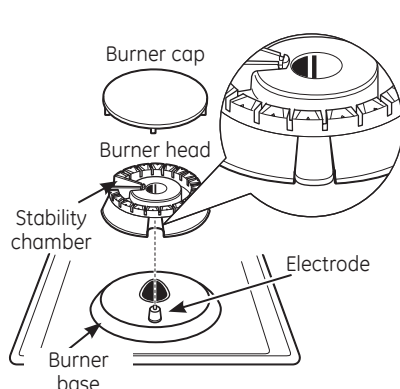


Burner cap properly seated

- B** Place the burner caps on the burner heads, making sure to place the correct burner cap on the correct burner head. The burner caps are not interchangeable. Each cap has three to four pins. Make sure that the burner caps are properly seated on the burner heads and that none of the pins sit in the stability chamber.



Burner cap not properly seated



### 2 CHECK IGNITERS

Operation of the electric igniters should be checked after the cooktop and supply line have been carefully checked for leaks and the cooktop has been connected to the electrical power.

On models so equipped, check to be sure the cooktop is in the **UNLOCKED** position.

- A** Push and turn a burner valve to the **LITE** position. All spark igniters will make a series of sparks (ticking sounds), but only the burner turned to **LITE** will light.
- The burner should light when gas is available to the burner.
  - Once the burner lights, it should be turned out of the **LITE** position.
- B** Try each valve separately until all burners have been checked.

# Installation Instructions

## COOKTOP BURNERS (CONT.)

### 3 BURNER IGNITION

Cooktop Spark Ignition—When you turn the cooktop knob to LITE, the spark igniter makes a series of electric sparks (ticking sounds) which light the burner. During a power failure, the burners will not light automatically. In an emergency, a cooktop burner may be lit with a match by following the steps below.

On models so equipped, check to be sure the cooktop is in the **UNLOCKED** position.

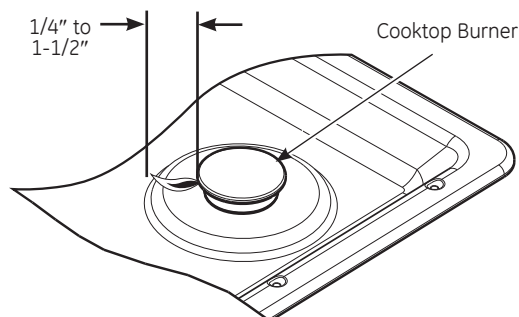
- A** Light a match and hold the flame near the burner you want to light. Wooden matches work best.
- B** Push in and turn the control knob slowly. Be sure you are turning the correct knob for the burner you are lighting.

**NOTE:** If the burner does not light within five seconds, turn the knob off and wait one minute before trying again.

### 4 THE BURNER FLAMES

Turn each burner on. Flames should be blue in color with no trace of yellow. The burner flames should not flutter or blow away from the burner. The flame should be no less than 1/4" on the lowest setting and no greater than 1-1/2" on highest setting.

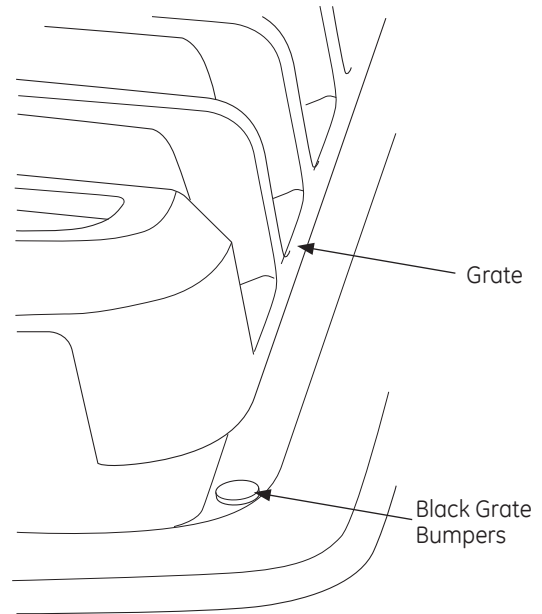
**⚠ CAUTION:** If you attempt to measure the flame, please use caution. Burns could result.



Burners should be checked frequently

### 5 BURNER GRATES

The three cooktop grates are designed for specific positions. For maximum stability, these grates should only be used in their proper position with the edges positioned on top of the black bumpers as shown



# Installation Instructions

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## OPERATION CHECKLIST

- A** Make sure all controls are left in the **OFF** position. Check to be sure the cooktop is in the **UNLOCKED** position (on models so equipped).
- B** Make sure the flow of air to and from the cooktop is unobstructed.
- C** The serial plate for your cooktop is located on the bottom of the burner box. In addition to the model and serial numbers, it tells you the ratings of the burners and the type of fuel and pressure the cooktop was adjusted for when it left the factory.
- D** When ordering parts, always include the serial number, model number and a code letter to ensure proper replacement parts.
- E** **Recheck Steps:**  
Double check to make sure everything in this guide has been completed. Rechecking steps will ensure safe use of the cooktop.

# Installation Instructions

## MAKING THE LP CONVERSION

### 1 SAFETY INFORMATION YOU SHOULD KNOW

The pressure regulator and burner orifices are set for natural gas. To use LP gas, the regulator and burner orifices must be converted. The LP orifice spuds for the cooktop burners are attached to the regulator along with separate LP conversion instructions.

**⚠ CAUTION:** The cooktop, as shipped from the factory, is set for use with natural gas. If you wish to use your cooktop with LP gas, you must first replace the orifices and convert the pressure regulator.

**⚠ WARNING:** This conversion must be performed by a qualified installer or gas supplier in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury or property damage. The qualified agency performing this work assumes responsibility for the conversion.

**⚠ CAUTION:** The following adjustments must be made before turning on the burner. Failure to do so could result in serious injury. Be sure pressure regulator has been converted as described in Step 2.

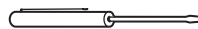
### TOOLS YOU WILL NEED FOR LP CONVERSION



7mm Nutdriver



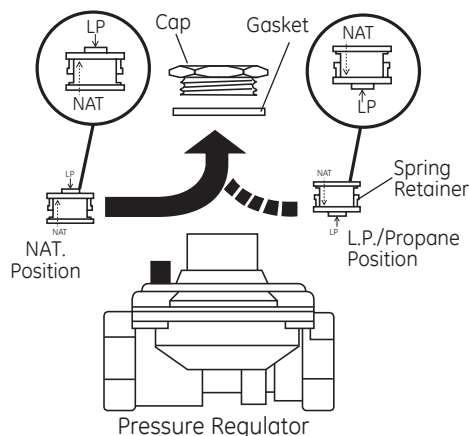
Safety Glasses



Small Flat-Head Screwdriver (4mm or 5/32" tip size, 60mm or 2-3/8" long)

### 2 ADJUST YOUR COOKTOP FOR USE WITH LP GAS

- A** Disconnect all electrical power, at the main circuit breaker or fuse box.
- B** Shut off the gas supply to the cooktop by closing the manual shut-off valve.
- C** Adjust the pressure regulator, by the following instructions:
  - Unscrew the cap.
  - Carefully look at the spring retainer to locate the NAT or LP position.



- Turn the spring retainer over by rotating it 90 deg., pull it from the cap, turn the spring retainer over so that LP is showing, insert it back into the cap, and then rotate it 90 deg. into position.
- Screw the cap back onto the regulator and tighten.

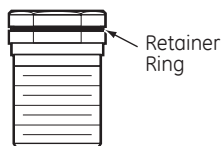
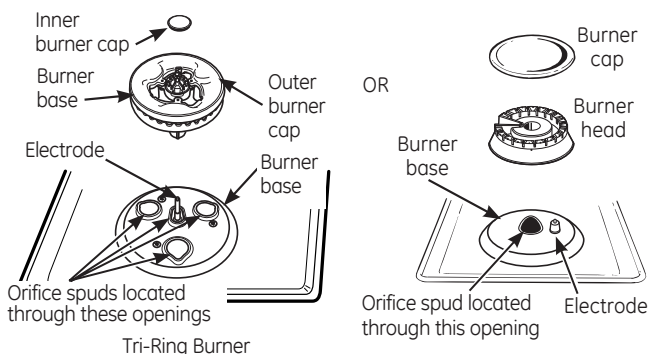
# Installation Instructions

## MAKING THE LP CONVERSION (CONT.)

### 3 CHANGE COOKTOP BURNER ORIFICES

**A** Remove the grates, burner caps, and burner heads.

**B** Using a 7mm nut driver, remove the burner orifices. These may be accessed through the burner holes in the cooktop.

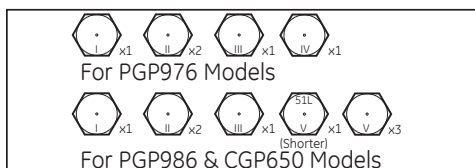


**NOTE:** On all burners, the orifices have a spring-loaded retaining ring around the hex head to hold the orifice in the nut driver during installation and removal. A slight amount of force is required to push the nut driver down over the ring.

**C** Locate the LP orifices attached to the regulator along with separate LP conversion instructions. They will have a digit for size and a letter for type of gas, on the top or side. (Important: Save the orifices removed from the appliance for future use.)

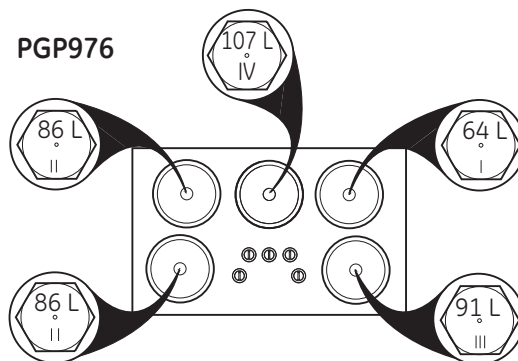
Each orifice will show a series of engraved marks, (I, II, III, IV or V), located on the top.

These marks denote the location of each orifice to the cooktop burner.

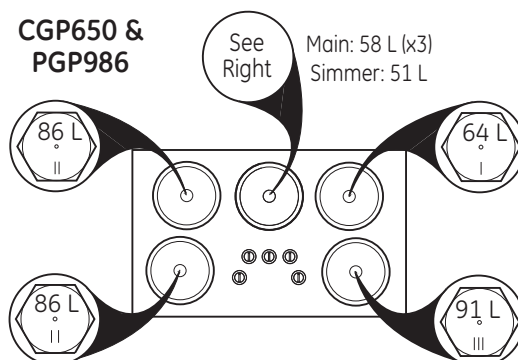


### 3 CHANGE COOKTOP BURNER ORIFICES (CONT.)

PGP976

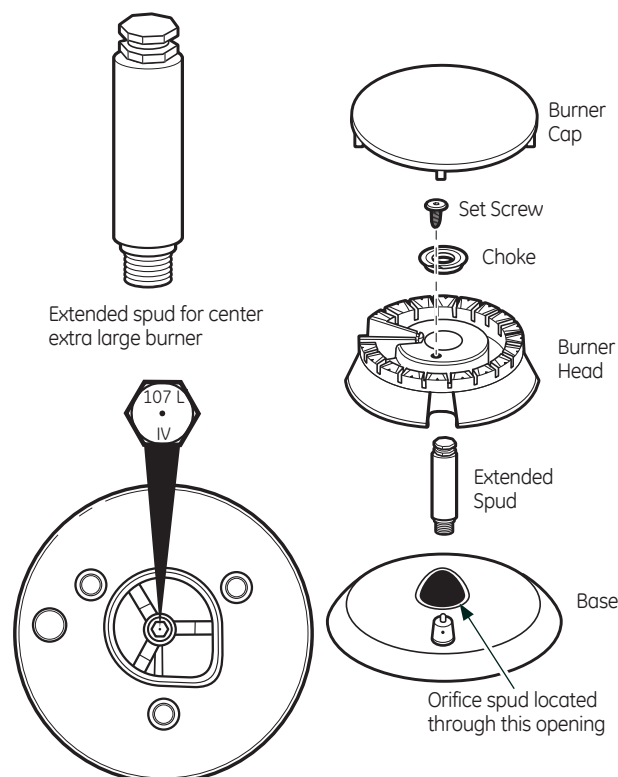


CGP650 & PGP986



#### CENTER BURNER

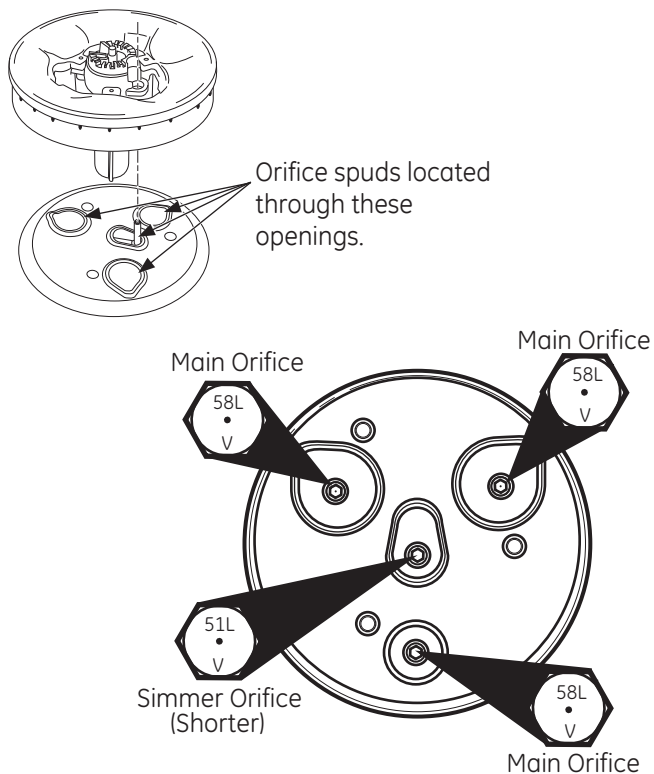
17,000 BTU/hr Extra Large Burner (PGP976 Models)



# Installation Instructions

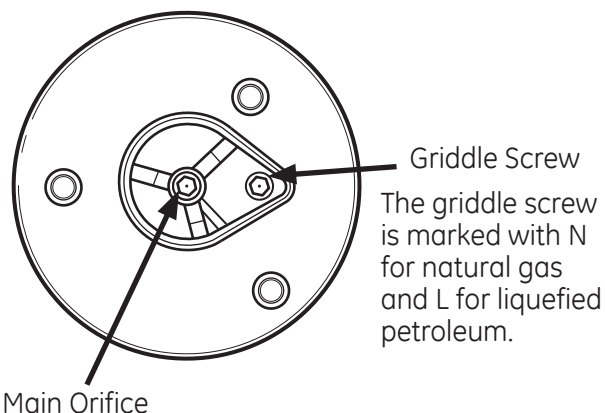
## 3 CHANGE COOKTOP BURNER ORIFICES (CONT.)

**CENTER BURNER**  
20,000 BTU/hr Tri-Ring Burner (PGP986 and CGP650 Models)



## 3 CHANGE COOKTOP BURNER ORIFICES (CONT.)

**LEFT FRONT BURNER**  
(PGP986 and CGP650 Models)



**NOTE:** The main orifice is located in the center of the burner, while the griddle screw is located to the right of the center of the burner.

- D** Install the LP Propane orifices and griddle screw (on PGP986 and CGP650 models only) in their precise locations as noted in the earlier illustrations.
- E** Return the natural gas orifices and griddle screw to the bracket and attach the bracket and the instruction sheet to the pressure regulator using the screw removed previously.
- F** Replace the burner heads, caps and grates.

## MAKING THE LP CONVERSION (CONT.)

### 4 ADJUST BURNER FLAMES

**A** Turn all burners full on and check the flames. They should be blue in color with some yellow tipping at the ends of the flame. Foreign particles in the gas line may cause an orange flame at first, but this will soon disappear.

**B** Turn the cooktop burner knob to the lowest setting while observing the flame.

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

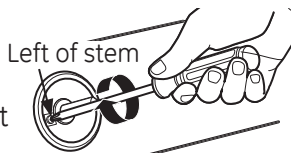
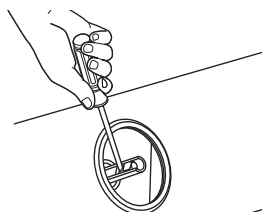
Low-setting adjustments must be made with two other burners in operation on a medium setting. This prevents the low flame from being set too low, resulting in the flame being extinguished when other burners are turned on.

**C** To adjust the flame, remove the knobs. Use screwdriver to remove valve stem plugs as shown.

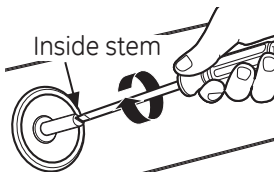
Insert a screwdriver through the access hole in valve switch. Engage adjustment screw in valve. Refer to the illustration below that matches the adjustment screw location for your model. The griddle burner (PGP986 and CGP650) has 2 adjustment screws, one for the left rear burner and one for the left front burner during griddle control. Griddle control must be turned to LO when making this adjustment.

- If the flames were too small or fluttered, open the valve more than the original setting.
- If the flames blew away from the burner, close the valve more than the original setting.

**D** Make the adjustment by slowly turning the screw until flame appearance is correct.



For left front griddle burner and tri-ring burner simmer adjustment screw



For all burners except tri-ring

**E** Testing Flame Stability:

**Test 1** – Temporarily replace knobs. Turn the knob from “HI” to the lowest setting quickly. If the flame goes out at the lowest setting, increase the flame size and test again.

**Test 2** – With the burner on the lowest 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.

**F** Flame Recheck:

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 lowest setting and be sure that the flame size decreases as the valve is rotated counterclockwise.

TO CONVERT THE COOKTOP BACK TO NATURAL GAS, REVERSE THE STEPS UNDER MAKING THE LP CONVERSION.

Once the conversion is complete and checked ok, replace valve stem plugs and knobs, and fill out the LP sticker. 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.