

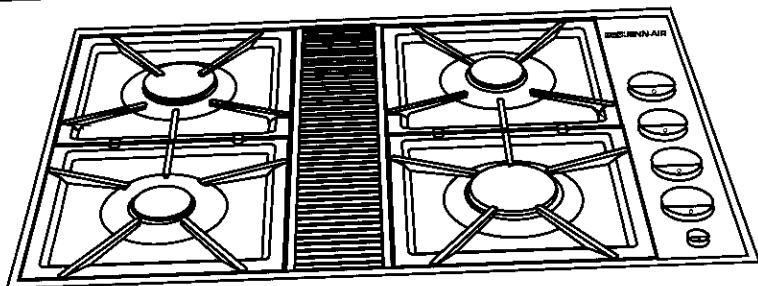
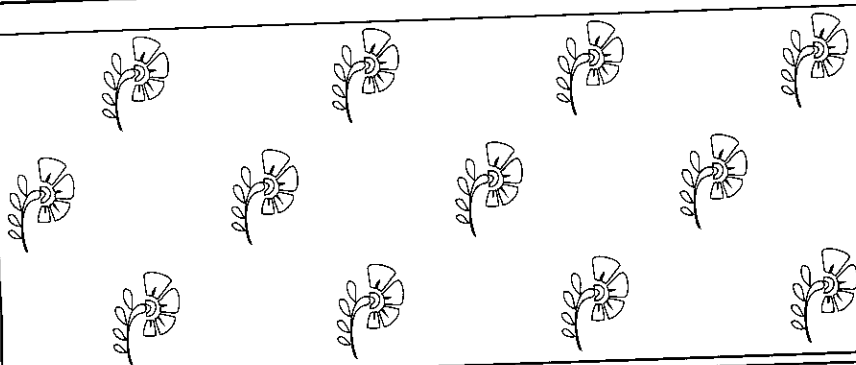
**JENN-AIR**

Use and Care Manual

**Expressions® Sealed Gas  
Downdraft Cooktop**



Model CVG2420



**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.
  - Extinguish any open flame.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

- SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE -

## Read before operating your cooktop

All appliances - regardless of the manufacturer - have the potential through improper or careless use to create safety problems. Therefore the following safety precautions should be observed:

1. Be sure your appliance is properly installed and grounded by a qualified technician.
2. Never use your appliance for warming or heating the room. This warning is based on safety considerations.
3. Children should not be left alone or unattended in area where appliance is in use. They should never be allowed to sit or stand on any part of the appliance.
4. Wear proper apparel. **Loose-fitting or hanging garments** should never be worn while using the appliance.
5. Do not repair or replace any part of the appliance unless specifically recommended in this manual. All other servicing should be referred to an authorized Jenn-Air Service Contractor.
6. Do not store combustible materials, gasoline or other flammable vapors and liquid near cooktop.
7. Do not use water on grease fires. Smother fire or flame or use dry chemical or foam-type extinguisher.
8. Use only dry potholders. Moist or damp potholders on hot surfaces may result in burns from steam. Do not use a towel or other bulky cloth.
9. Select cookware large enough to properly contain food and avoid boil overs or spillovers. This will save on cleaning and prevent hazardous accumulations of food, since heavy splattering or spillovers left on a cooktop **can** ignite. Pan size is especially important in deep fat frying.
10. Never leave cooktop unattended at **HI** heat settings. Boil over causes smoking and greasy spillovers that may ignite.
11. **TYPE OF COOKWARE** - Avoid pans that are unstable and easily tipped. In choosing pans, look for easily-grasped handles that will stay cool. Pans that are too heavy when filled with food can also be a hazard. If pan handles twist and cannot be tightened, discard the pan.
12. **HANDLES** - Always turn pan handles to the side or back of the cooktop - not out into the room where they are easily hit. **COOKWARE HANDLES SHOULD BE TURNED INWARD AND NOT EXTEND OVER ADJACENT SURFACE BURNERS** to minimize burns, ignition of flammable materials, and spillage due to unintentional contact with the cookware.

13. **CAUTION** - Do not store items of interest to children in cabinets above cooktop-children climbing on the cooktop to reach items could be seriously injured.
14. Do not touch surface burner areas or any areas near burners. During and after use, these areas may be hot enough to cause burns. Avoid contact with these areas by clothing or other flammable materials until they have had sufficient time to cool.
15. Do not heat unopened food containers. Build-up of pressure may cause container to burst and result in injury.
16. Keep all controls "OFF" when unit is not in use.
17. **GREASE** - Grease is flammable and should be handled carefully. Never leave any cooking operation unattended. Let fat cool before attempting to handle it. Do not allow grease to collect around the cooktop. Wipe up spillovers immediately.
18. If the cooktop is installed near a window, proper precautions should be taken to prevent curtains from blowing over burners creating a FIRE HAZARD.
19. Do not use aluminum foil to line burner basin. Restriction of normal air flow may result in unsafe operation.
20. Clean only parts listed in this manual and use procedures recommended.
21. Always allow hot pans to cool in a safe place out of the reach of small children.
22. A faint gas odor may indicate a gas leak. If a gas odor is detected, shut off the gas supply to the cooktop. Call your installer or local gas company to have the possible leak checked. **Never use a match or other flame to locate a gas leak.**
23. Before servicing your appliance, disconnect power to the cooktop at the main fuse or circuit breaker panel and at the electrical receptacle.
24. Keep vent ducts unobstructed.
25. This appliance has been tested for safe performance using conventional cookware. Do not use any devices or accessories that are not specifically recommended in this manual. Do not use eyelid covers for the surface units or stovetop grills. The use of devices or accessories that are not expressly recommended in this manual can create serious safety hazards, result in performance problems, and reduce the life of the components of the appliance.
26. Flame size should be adjusted so it does not extend beyond the edge of the cookware. This instruction is based on safety consideration.

## **IMPORTANT SAFETY NOTICE AND WARNING**

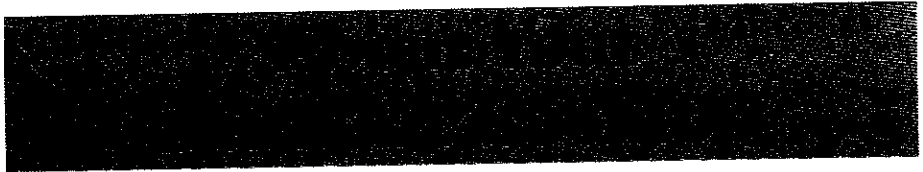
The California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) requires the Governor of California to publish a list of substances known to the State of California to cause cancer or reproductive harm, and requires businesses to warn customers of potential exposures to such substances.

Users of this appliance are hereby warned that burning of gas can result in low-level exposure to some of the listed substances, including benzene, formaldehyde and soot, due primarily to the incomplete combustion of natural gas or liquid petroleum (LP) fuels. Properly adjusted burners will minimize incomplete combustion. Exposure to these substances can be minimized by properly venting the burners to the outdoors.

### **WARNING**

#### **Electrical Grounding Instructions**

This appliance is equipped with a three-prong grounding plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.




Congratulations on your choice of a Jenn-Air gas cooktop. Your new cooktop has sealed gas burners for easy cleaning. If the burner flame should go out, the automatic reignition system will automatically spark to reignite that burner. This feature is provided as a convenience. It is not intended to be interpreted as a safety feature.

Your cooktop has a downdraft ventilation system designed to remove smoke and odors.

Before you begin cooking with your new cooktop, please take a few minutes to read and become familiar with the instructions in this book. By following the instructions carefully, you will be able to fully enjoy and properly maintain your cooktop and achieve excellent results with the food you prepare.

Should you have any questions about using your Jenn-Air cooktop, write to us. Be sure to provide the model number.

**Jenn-Air Customer Assistance**  
c/o Maytag Customer Service  
P.O. Box 2370  
Cleveland, TN 37320-2370



Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Date Purchased \_\_\_\_\_

JENN-AIR DEALER FROM WHOM PURCHASED


\_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

Phone \_\_\_\_\_

**Important:** Retain proof of purchase documents for warranty service.



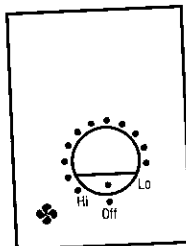
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The built-in ventilation system removes cooking vapors, odors and smoke from foods prepared on your cooktop.

Regular use of this system will insure a more comfortable and less humid kitchen which is free of heavy cooking odors and fumes that normally create a frequent need for cleaning and redecorating.

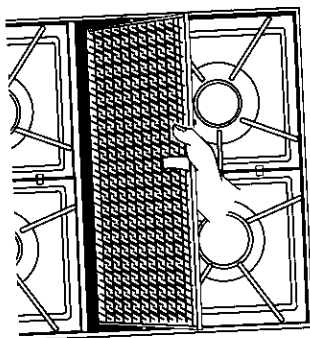
### Using the Ventilation System

- The fan control is located at the front of the control panel. To operate turn the fan control knob clockwise. The variable speed fan can be operated in an infinite number of settings to match your cooking needs.
- Besides using the ventilation system to remove cooking vapors and fumes, it can be used to cool baked pies, cakes or hot pans. To cool an item, set it on the air grille and turn on the fan. The air being pulled over the item will quickly cool it. Be careful not to cover the entire air grille.
- The fan can be used to remove strong odors from the kitchen as when chopping onions near the fan.



### Cleaning the Ventilation System

**Air Grille:** The air grille lifts off easily. Wipe clean or wash in dishwasher or sink with mild household detergents. To prevent scratching the surface do not use abrasive cleaners or scrubbing pads.




**Filter:** Turn off ventilation system before removing. The filter is a permanent type and should be cleaned when soiled. Clean in sink with warm water and detergent or in dishwasher.

**Important: DO NOT OPERATE SYSTEM WITHOUT FILTER.** Filter should always be placed at an angle. As you face the front of the cooktop, the bottom of the filter should rest on the ledge on the left side. The top of the filter should rest against the right side. There are also ledges on the front and rear sides for the filter to rest. (**Note:** If 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. It can be cleaned with paper towel, damp cloth, or sponge and mild household detergent or cleanser.





Jenn-Air's ventilation system is designed to capture both cooking fumes and smoke from any place on the cooktop surface. If the system does not, these are some ducting installation situations to check:

- 6" diameter round or 3 1/4" x 10" rectangular ducting should be used for duct lengths 10'-60'. **Note: 5" diameter round ducting must be used for venting straight out the back of the cooktop and directly through the wall for 10' or less.**
- No more than three 90° elbows should be used. Distance between elbows should be at least 18".
- Recommended Jenn-Air wall cap **MUST** be used. Make sure damper moves freely when ventilation system is operating.
- There should be a minimum clearance of 6" for cooktop installed near a side wall.

If there is not an obvious improper installation, there may be a concealed problem such as a pinched joint, obstruction in the pipe, etc. Installation is the responsibility of the installer and questions should be addressed first by the installer. The installer should very carefully check the ducting installation instructions.

To achieve optimum cooking performance, use cookpots with flat bottoms, tight fitting covers, and sized for the surface burner.

### Size of Cookware

The cooktop is equipped with two small and two large surface burners.

*Flame size should be adjusted so it does not extend beyond the edge of the cookware.* This instruction is based on safety considerations. Adjusting the size of the flame to fit the size of the cookware also helps to save fuel.

**Note:** Do not allow large cookpots to extend beyond the edge of the surface burner grates. Heat trapped between large cookpots and other surfaces could possibly cause surfaces to become hot to the touch or damage these areas.


**Important:** Leave a minimum of 1-1/2" between side of cookpot and surrounding surfaces, such as countertop backsplash or side walls, to allow heat to escape to avoid possible damage to these areas.

- Aluminum cookware heats evenly and quickly. A slightly larger flame size can be used. The flame can be adjusted so it comes to the edge of the cookware. However, the flame should NEVER be adjusted so that it extends beyond the bottom of the cookware.
- Stainless steel cookware with copper or aluminum cores heat evenly and fairly quickly. The flame size should be adjusted to extend only halfway between center and edge of the cookware bottom for best results.
- Cast iron cookware heats slowly.
- Check manufacturer's recommendations before using porcelain on steel, porcelain on cast iron, glass, glass/ceramic, earthenware, or other glazed cookpots.

### Covered Cookware

If the cookware is covered, less fuel will be needed; therefore, a lower flame size can be used.

**Note:** Food will not cook any faster when more than the amount of heat needed to maintain a gentle boil is used.



When the control knob is turned ON, gas will flow into the burner. The solid state igniter will click until the gas is ignited. (**Note:** All burner igniters will spark regardless of which burner is being operated.) If the burner flame should go out, the automatic reignition system will automatically spark to reignite that burner. This feature is provided as a convenience. It is not intended to be interpreted as a safety feature.

A properly adjusted burner with clean ports will light within a few seconds. The cone-shaped flame will be clear blue in color with a clearly defined inner cone. There should be no trace of yellow in the flame. If the burner flame is yellow, lifts off the ports, or is noisy, the air/gas mixture may be incorrect. Therefore, contact a service technician to make the needed adjustment.

The infinite surface controls provide flexibility in heat setting selection. (See page 12)

### How to Operate in the Event of a Power Failure

In case of prolonged power failure, you can manually light the surface burner by holding a lighted match near the burner ports and slowly turning the control knob counterclockwise (after depressing) to the **Hi** setting.

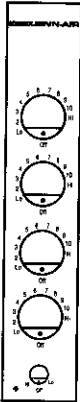
**Note:** Do not leave cooktop unattended when cooking during a power failure. The automatic reignition feature of your cooktop will not operate during a power failure.

**Note:** During a power failure, there is no fan so smoke and condensation can gather.

## To Set Controls

- Since the controls are a push to turn type, they must be pushed down before turning. To set (from the OFF position), push down on control knob and immediately turn counterclockwise to desired setting.
- Igniter will spark, at any position, until there is a flame.

## Control Locations (BTU Rates)



1. Left rear surface burner (10,500 BTUs)
2. Left front surface burner (6,500 BTUs)
3. Right rear surface burner (6,500 BTUs)
4. Right front surface burner (12,000 BTUs)

**Note:** The cooktop is equipped with different size surface burners. Match pan size to surface burner. The use of undersized pans will expose a portion of the flame.

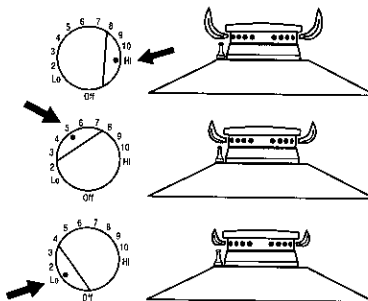
**Note:** Do not allow large cookpots to extend over control knobs. Heat trapped between large cookpots and control knob could possibly cause knobs to become hot to the touch.

## Suggested Control Settings

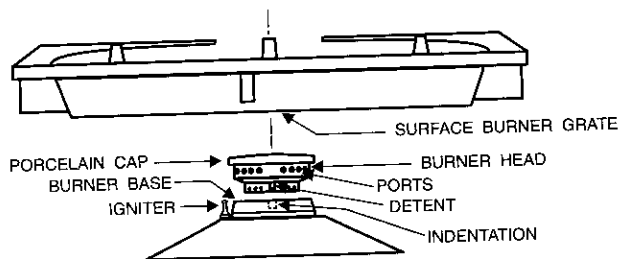
The controls offer flexibility in heat setting selection. An infinite number of settings exist between **Hi** and **Lo**. At the **Hi** setting, a detent can be felt. For all settings other than **Hi**, simply adjust your flame for best results.

The size and type of cookware and the amount and type of food being cooked will influence the setting needed for best results. Suggested settings are provided as guidelines.

- Hi:** A fast heat to start cooking quickly, to bring liquids to a boil, to preheat oil for deep fat frying.
- 6-10 (Medium High):** For fast frying or browning of foods, to maintain rapid boil of large amounts of food, to maintain oil temperature for deep fat frying.
- 4-5 (Med):** For most frying, sautéing, and slow boil of large amounts of food. To continue cooking foods started on higher settings.
- 2-3 (Medium Lo):** Maintaining serving temperatures of foods, simmering foods, melting butter or chocolate.
- Lo:** Maintaining serving temperatures of foods, simmering foods, melting butter or chocolate.



Be sure all controls are OFF and all cooktop parts are cool before cleaning.

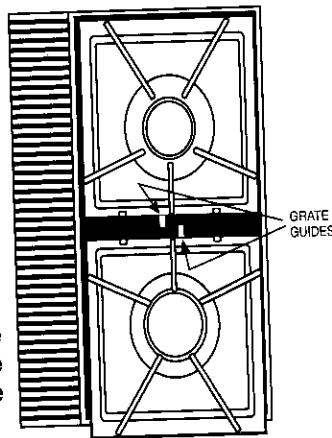


## Surface Burner Grates

The surface burner grates are made of porcelain on cast iron. Therefore, the grates can be washed in the sink with mild detergents and a plastic scrubber or washed in the dishwasher.

When replacing the grates, place the rear grate on with the grate guide toward the front. Then, add the front grate by positioning grate guide under the rear grate and lowering onto the cooktop.

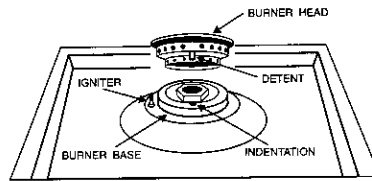
Although the burner grate is durable, it will gradually lose its shine and/or discolor regardless of the care you take of it. This is due to its exposure to the high temperature of the gas flames.



To preserve the porcelain enamel finish as long as possible, have a pan on the grate before you turn on the burner, and lower the flame when food reaches the desired cooking temperature.

## Surface Burner Heads

The surface burner heads are removable for cleaning. The caps are porcelain, while the port areas are aluminum. Wash the surface burner heads in the sink with mild detergent and a plastic scrubber.



**Note:** For stubborn stains, clean with Cooktop Cleaning Creme (Part No. 20000001).

When replacing the burner heads, carefully align the detent on the head with the indentation in the burner base.

**Note:** Check to be sure all ports are open. To open clogged ports, insert a toothpick directly into each port.

**Note:** When burner heads are removed for cleaning, be careful not to spill liquids through the holes in the burner bases.

## Aluminum Surface Burner Bases

The aluminum surface burner bases are not removable. Clean with a damp cloth.

**Note:** Be careful not to spill liquids through the holes in the burner bases.

## Porcelain Burner Basin

Never wipe a warm or hot porcelain enamel surface with a damp cloth. For general daily cleaning and light soil, wash with warm soapy water, rinse, and dry. To remove grease spatters, spray with cleaners such as Fantastik or 409. **DO NOT** use abrasive or caustic cleaning agents which may permanently damage the finish. **Note:** For stubborn stains clean with Cooktop Cleaning Creme (Part No. 20000001).

**NOTE:** The porcelain enamel used on your cooktop is acid resistant, not acid proof. Therefore, acid foods (such as vinegar, tomato, milk, etc.) spilled on the cooktop should be wiped up immediately with a dry cloth.

## Igniters

If the igniters get dirty or greasy, clean with a toothbrush and warm soapy water. Rinse and dry thoroughly. **DO NOT STRIKE** or **PRY** the ceramic igniter.

The knobs on the control panel can be removed with the controls in the OFF position. Pull each knob straight from the shaft. Wash knobs in warm soapy water or dishwasher; do not use abrasive cleansers or materials. To replace each knob, match flat part of knob opening with the flat on the shaft, *returning in OFF position*.

**Important:** Never use a metal blade to pry knob off. If knob cannot be easily removed, tuck the folds of a cloth dishtowel under the knob skirt and pull the towel upward with steady, even pressure.

**Important:** Be careful to replace the knobs with gentle pressure. Never hit the knob on the shaft with your hand or any other object.

**Note:** When knobs are removed for cleaning, be careful not to spill liquids through holes in the control area.

### Control Panel

Use mild cleansers, such as soapy water or mild liquid sprays, such as Fantastik or 409 or Windex. Wipe with sponge, damp cloth or paper towel. *Do not scrub with S.O.S. pads or abrasive cleansers.*

### Stainless Steel Trim

Use mild cleansers, such as soapy water or mild liquid sprays, such as Fantastik or 409. Wipe with sponge, damp cloth or paper towel. Rinse, buff with soft cloth; polish with glass cleaner if necessary.

Check the following list to be sure a service call is really necessary.

### **If surface burner fails to light:**

- check to be sure unit is properly connected to power supply.
- check for a blown circuit fuse or a tripped main circuit breaker.
- check to be sure burner is correctly adjusted for your type of gas.
- check to be sure burner ports are not clogged.
- check to be sure igniter is clicking. If igniter doesn't click, turn control knob OFF.
- check to be sure pressure regulator is set for the correct fuel.
- check to be sure inlet pressure is adequate. (5" of water column for natural gas and 10" of water column for LP gas).

### **If the flame is uneven:**

- burner ports may be clogged.
- flame setting may need to be adjusted.

### **If surface burner flame lifts off the ports:**

- contact an authorized Service Contractor for Jenn-Air products.

### **If surface burner flame is yellow in color:**

- contact an authorized Service Contractor for Jenn-Air products.

### **If ventilation system is not capturing smoke efficiently:**

- check on cross ventilation in room or make up air.
- outside wallcap may be trapped shut.
- cooktop may be improperly installed (see p. 9); check installation instructions.

### **If You Need Service**

- call the dealer from whom your appliance was purchased or the authorized Jenn-Air Service Contractor listed in the Yellow Pages. Your Jenn-Air Service Contractor can provide better and faster service if you can accurately describe problems and give model and serial number of the appliance. Be sure to retain proof of purchase to verify warranty status. Refer to WARRANTY for further information of owner's responsibilities for warranty service.
- if dealer or service company cannot resolve the problem, write to Jenn-Air Customer Assistance, c/o Maytag Customer Service, P.O. Box 2370, Cleveland, TN 37320-2370, 1-800-688-1100 (U.S. and Ontario) or 615-472-3333.
- use and care manuals, service manuals, and parts catalogs are available from Jenn-Air Customer Assistance, c/o Maytag Customer Service.

All specifications subject to change by manufacturer without notice.

 **JENN-AIR**

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