

JENN-AIR
VVV®

Use and Care Manual
Convertible Cooktop
MODEL C228





SAFETY PRECAUTIONS

Read before operating your range

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.
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. Flammable materials should not be stored near surface units.
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 let potholder touch hot heating elements. Do not use a towel or other bulky cloth.
9. Use proper pan size. Many appliances are equipped with one or more surface units of different size. Select utensils having flat bottoms large enough to cover the surface unit heating element. The use of undersized utensils will expose a portion of the heating element to direct contact and may result in ignition of clothing. Proper relationship of utensil to heating element will also improve efficiency and performance.
10. Never leave surface units unattended at high heat settings. Boil over causes smoking and greasy spillovers that may ignite.

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11. On conventional element ranges make sure that drip pans are in place. Absence of these pans during cooking may subject wiring or components underneath to damage.
 12. Do not use aluminum foil to line surface unit drip pans or grill basin. Installation of these liners may result in an electric shock or fire hazard.
 13. Glazed cooking utensils — only certain types of glass, glass-ceramic, ceramic, earthenware, or other glazed utensils are suitable for range top surface without breaking due to the sudden change in temperature. Use only such utensils as you know have been approved for this purpose.
 14. Utensil handles should be turned inward and not extend over adjacent surface heating elements to avoid burns, ignition of flammable materials and spillage due to unintentional contact with the utensil.
 15. Do not soak or immerse removable heating elements in water.
 16. CAUTION — Do not store items of interest to children in cabinets above a range or on the backguard of a range —children climbing on the range to reach items could be seriously injured.
 17. Do not touch surface units or areas near units. Surface units or heating elements may be hot even though they are dark in color. Areas near surface units may become hot enough to cause burns. During and after use, do not touch or let clothing or other flammable materials contact these areas until they have had sufficient time to cool. Other surfaces may become hot enough to cause burns — among these surfaces are the cooktop.
 18. Do not cook on glass-ceramic cooking surface if the cooktop is broken. Cleaning solutions and spillovers may penetrate the broken cooktop and create a shock hazard. Contact an authorized Jenn-Air Service Contractor.
 19. Clean glass-ceramic cooktops with caution. If wet sponge or cloth is used to wipe spills on a hot cooking area, be careful to avoid steam burns. Some cleansers can produce noxious fumes if applied to a hot surface.
 20. Do not operate with damaged cooking element after any product malfunction until proper repair has been made.
 21. Keep all switches “OFF” when unit is not in use.
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Ventilation System

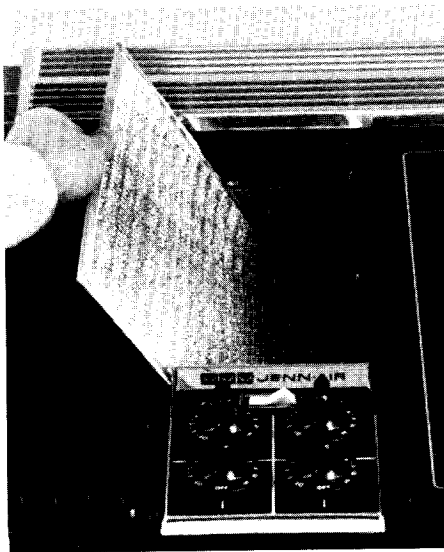
The built-in ventilation system removes cooking vapors, odors and smoke from foods prepared on the cooktop, grill and grill accessories.

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

- To operate the ventilation system manually, push the on/off switch located in front of the ventilation grille.
- The ventilation system will operate *automatically* when the grill element is in use.
- Besides using the ventilation system to remove cooking vapors and fumes, it can be used to cool baked pies, cakes or hot utensils. To cool an item, set it on the ventilation grille and turn on the fan. The air being pulled over the item will quickly cool it. Be careful not to cover the entire ventilation grille.
- The fan can be used to remove strong odors from the kitchen as when chopping onions near the fan.

Cleaning the Ventilation System



Ventilation Grille: The surface grille lifts off easily. Wipe clean or wash in sink with mild household detergents. May be cleaned in dishwasher.

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

IMPORTANT: 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 vent chamber at the bottom. *DO NOT OPERATE* system without filter. 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. May be cleaned with paper towel, damp cloth, or sponge and mild household detergent.

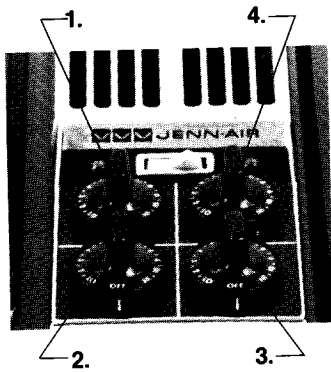


Surface Controls

The variable heat controls for the cooktop cartridges and grill element provide flexibility in heat setting selection.

To Set Controls

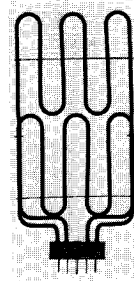
- Since the controls are a push-turn type, they must be pushed down before turning. To set (from the OFF position), push down on control knob and turn in either direction to desired heat setting.
- When control is in any position, other than OFF, it may be turned in any direction without pushing down.
- A red indicator light will glow when a surface heating element is ON. There is a light for each cooking bay area.



Control Locations

1. Left rear heating element (rear Energy-Saver)
2. Left front heating element (front Energy-Saver)
3. Right front heating element (front Energy-Saver)
4. Right rear heating element (rear Energy-Saver)

Note: The "Energy-Saver" grill element (right) permits utilizing only half of the grill area, if desired, or using different heat settings for the front and rear position of the element. When using this element, both cooktop controls, front and rear, must be turned on in order to use the *full* grill area.



Energy-Saver

Suggested Control Settings

The size and type of utensils used and the mount and type of food being cooked will influence the setting needed for best cooking results. Electrical current may also vary, which will affect the needed control setting. The setting indicated should serve as a guide while you become familiar with your cooktop.

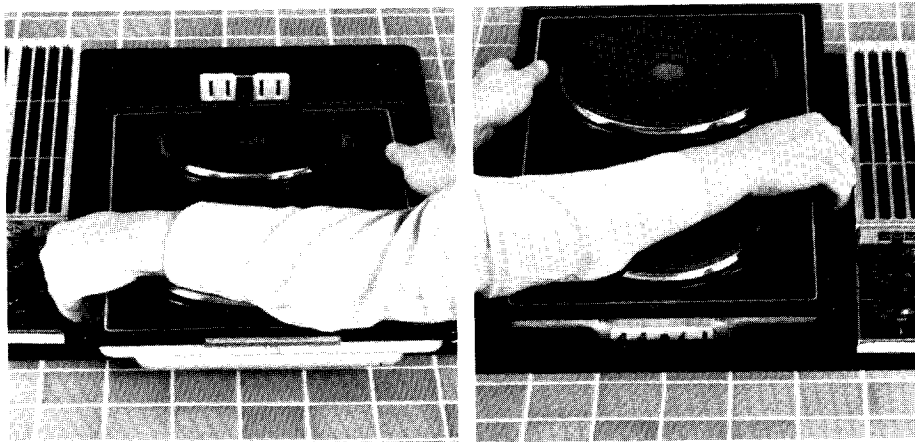
- HI** A fast heat to start cooking quickly, to bring liquids to a boil, to preheat oil for deep fat frying. Used for most grilling.
- 7-10** (Medium High) For fast frying or browning foods, to maintain rapid boil of large amounts of food, to maintain oil temperature for deep fat frying.
- 5-6** (Medium) For foods cooked in a double boiler, sautéing, slow boil of large amounts of food.
- 3-4** (Medium Lo) To continue cooking foods started on higher settings.
- LO-2** Maintaining serving temperatures of foods, simmering foods, melting butter or chocolate.

The heat controls offer flexibility in heat setting selection. On settings other than HI, you may adjust the controls above or below the numbered setting for best results. This applies to settings when using cooktop cartridges or when using the grill or any of the grill accessories. Suggested settings are provided as general guidelines.



Using Cooktop Cartridges

Cooktop cartridges, either conventional coil, glass-ceramic or solid element, can be installed on either side of the range.



To Install Cartridges

1. If the grill element, grill-rocks or grates are in place, remove before installing a cooktop cartridge. Clean grill basin of any grease accumulation. (See page 12 for cleaning recommendations.)
2. To install any of the optional cooktop cartridges, first be sure control knobs are turned OFF. Position the cartridge terminal plug towards the terminal receptacle. This receptacle is located at the front of the left side and at the back of the right side of the cooktop.
3. Slide the cartridge towards the receptacle until the cartridge terminal plug is completely engaged.
4. Lower the opposite end of the cartridge into the cooktop until it is flush with the surface. Your cooktop is now ready to use.

To Remove Cartridges

1. Control knobs must be in the OFF position and the cartridge should be cool.
2. Lift up on the "tab" located on the cartridge until top of cartridge clears the opening on the cooktop by about 2 inches. Lifting the cartridge too high while still engaged in the receptacle could damage the terminal plug.
3. To disengage terminal, hold cartridge by the sides and slide away from the terminal receptacle. Lift out when fully unplugged.
4. A storage tray, Model A350, is available and can be used for storing a cartridge.
5. Do not stack cartridges where they may fall or be damaged. Never store other materials on top of the glass-ceramic cartridges since this could damage or mar the surface.

Home Canning

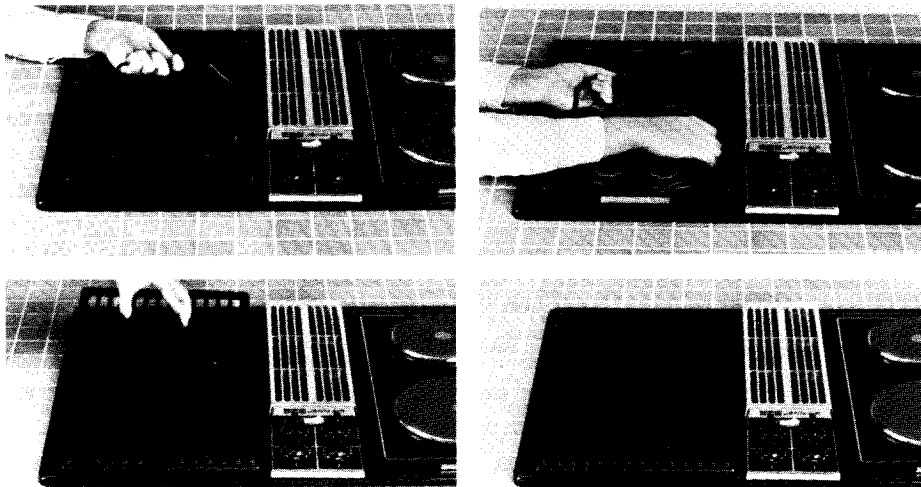
Canning should be done on the conventional coil or induction cartridge *only*. Canning element accessory, Model A145, makes it possible to use large oversized, flanged or rippled bottom utensils with conventional coil cartridge.



Grilling

The grill accessory consists of two black grill grates, a grill element and two grill-rocks.

To Install Grill



1. Before installing grill components, be certain surface controls are in the OFF position.
2. Place the two grill-rocks into an empty grill basin with their handles running parallel to the front of the cooktop. These grill-rocks must be used since they support the grill element.
3. Position the grill element with the terminal plug towards the terminal receptacle. This receptacle is located at the front of the left side and at the back of the right side of the cooktop. Slide the element towards the receptacle until the terminal plug is completely engaged.
4. The grill element should now rest on the handles of the grill-rocks.
5. Place the black grill grates on the top of the cooktop.

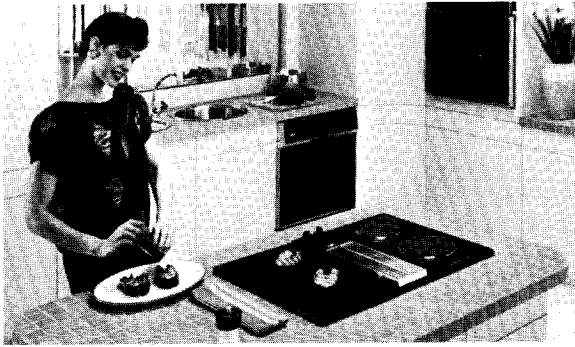
To Remove Grill

1. Remove grill components once they are cool. Be sure control switches are in the OFF position.
2. To remove grill element, pull away from receptacle until it is unplugged. Do not lift the element while it is engaged in the receptacle since this could damage the terminal.
3. A storage tray, Model A350, is available for purchase and can be used for storing the grill assembly.

Installing Other Accessories

1. Remove the two black grill grates from the grill. Now you are ready to use the optional grill accessories.
2. Review the instructions for installing and using the accessories that are packaged with the accessory.

Using the Grill



- Before using the grill for the first time, wash grill grates in hot soapy water; rinse and dry.
- Precondition new grates and grill-rocks by brushing with vegetable oil or spraying with a non-stick coating such as Pam. This procedure should be repeated after cleaning in a dishwasher since the detergent removes seasoning.
- For easier clean-up, as well as preventing meats from sticking to grates until they are seasoned, spray grates, grill-rocks and grill basin with a non-stick coating.
- Preheat grill on HI setting for 5 minutes. Preheating improves the flavor and appearance of meats and quickly sears the meat to help retain the juices. The heating element should glow a bright cherry red.
- *Excessive amounts of fat should be trimmed from meats.* Only a normal amount is necessary to produce the smoke needed for that smoked, "outdoor" flavor. Excessive fat can create cleaning and flame-up problems.
- *Allowing excessive amounts of grease or drippings to constantly flame voids the warranty on grill grates.* Excessive flame-ups indicate that either the grill interior needs to be cleaned or that excessive amounts of fat are in the meat or the meat was not properly trimmed.
- 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 GRILL UNATTENDED DURING GRILL OPERATION.**

Should excess grease cause sustained flame-up

1. Immediately turn grill heat control switch to OFF position.
2. Turn on FAN manually.
3. Remove meat from grill.

IMPORTANT

- Do not use aluminum foil inside the grill area.
- Do not use charcoal or wood chips in the grill area.
- Do not allow grill-rocks to become overloaded with grease. Clean frequently.
- Do not cover grates completely with meat. Leave air space between each steak, etc. to allow proper ventilation as well as prevent flame-ups.

Grill Guide

Season grill grates. Preheat grill on HI, 5 minutes, for best flavor.

Type	Setting	Cooking Time	Procedure
Steak (½ - ¾") Rare Medium Well	HI HI HI	9 to 12 minutes 12 to 19 minutes 16 to 23 minutes	Turn after 5 to 6 minutes. Turn after 6 to 9 minutes. Turn after 8 to 11 minutes.
Steak (1 - 1½") Rare Medium Well	HI HI HI	10 to 17 minutes 19 to 26 minutes 24 to 32 minutes	Turn after 5 to 8 minutes. Turn after 9 to 12 minutes. Turn after 12 to 16 minutes.
Hamburgers (½ - ¾")	10	15 to 25 minutes	Turn after half the time
Pork Chops Fully-cooked Smoked Pork Chops Ham Slices Pork Ribs	9-10 HI 10 10	30 to 40 minutes 10 to 15 minutes 15 to 20 minutes 50 to 60 minutes	Turn occasionally. Turn once. Glaze if desired. Turn once. Turn occasionally. Brush with barbecue sauce during last 15 minutes.
Fully-cooked Sausages Hot Dogs, Brats, Polish Fresh Sausage Links Patties (3-inch diameter) Italian Sausage	HI 10 9 9	5 to 10 minutes 10 to 15 minutes 20 to 25 minutes 20 to 25 minutes	Turn once. Turn occasionally. Turn after half the time. Pierce casing with a fork. Turn once.
Lamb Chops	9-10	25 to 35 minutes	Turn occasionally. Brush with glaze, if desired.
Chicken Pieces: Bone-in Boneless Breasts Wings Cornish Hen (halved)	10 10 10 10	45 to 60 minutes 25 to 35 minutes 20 to 25 minutes 35 to 40 minutes	Turn occasionally. Start skin side down, turn occasionally. Turn frequently. Brush with marinade or glaze during last 5 minutes. Turn occasionally.
Fish Small, Whole (1½") Salmon Steaks (1") Fillets (½") (with skin on) Lobster Tails Shrimp (skewered)	9 9 9 8-9 9	20 to 25 minutes 25 to 30 minutes 10 to 15 minutes 20 to 30 minutes 10 to 15 minutes	Brush with butter. Turn after half the time. Brush with butter. Turn after half the time. Start skin side down. Brush with butter. Turn after half the time. Baste with butter. Turn occasionally. Turn and brush with butter or marinade frequently.
Garlic Bread Hot Dog, Hamburger Buns	HI HI	2 to 3 minutes 1 to 2 minutes	Turn after half the time.

Grilling Tips

With your Jenn-Air grill and accessories, literally any food you've considered "at its best" when prepared outdoors over charcoal can now be prepared indoors with less fuss and great flavor.

Many grilling ideas are contained in Jenn-Air's Cookbook, *Complete Cooking With Jenn-Air*. There are also many cookbooks containing recipes for outdoor grilling which can be used on a Jenn-Air.

The following suggestions are good rules to follow and will increase your enjoyment of the equipment.

- Be sure to follow directions on page 9 for using the grill.
- Suggested cooking times and control settings are *approximate* due to variations in meats and electrical voltage. Experience will quickly indicate cooking times as well as which settings work best.
- Use the Energy-saver grill element for grilling small amounts of food on half of the grill or for keeping cooked foods warm or preparing food requiring different heat control settings.
- For best results, buy top grade meat. Meat that is at least 3/4-inch will grill better than thinner cuts.
- Score fat on edges of steak, but do not cut into meat, to prevent curling while cooking.
- For the attractive "branded" look on steaks, be sure grill is preheated. Allow one side of meat to cook to desired doneness, or until juices appear on the top surface, before turning. It takes fewer minutes to cook the second side. Turn steaks and hamburgers just once. Manipulating food 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 recipe specifies otherwise. Sugar-based sauces, excessively used, will caramelize on the grill-rocks 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 as these pierce the meat, allowing juices to be lost.
- To help retain meat juices, salt after turning meat or after cooking is completed.
- Should grilled foods be prepared and ready before you're ready to serve, turn heat control to a low setting and cover meat with a single sheet of foil. Food will continue to cook.

Cleaning the Grill

Grill Grates: These are made from cast aluminum which have been anodized. This coating will fade with use.

- The grates should be cleaned after each use. They 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, grates can be soaked in hot, soapy water to which a cleanser, such as household ammonia, has been added.
- *Do not use metal brushes or abrasive scouring pads or other scrubbers intended to clean outdoor charcoal grills.* These will remove the finish as well as scratch the grates. *Do not clean in the self-cleaning oven or use oven cleaners on the grates.*

Grill-Rocks: These are made from cast-iron which have been coated with porcelain enamel.

- The grill-rocks should be cleaned frequently or after any excessive build-up of grease. To clean light soil, use detergent and a plastic scrubber, such as Tuffy, or wash in the dishwasher if burned on residue is first removed. For heavy soil, soak in hot, soapy water to which a cleanser, such as household ammonia, has been added. Stubborn spots on grill-rocks, such as burned on residue from sauces, can be scrubbed with a stiff bristle brush.
- An oven cleaner, such as Easy-Off, can be used for burned on soil. Follow manufacturer's directions; spray on cleaner and let soak overnight. *Do not clean grill-rocks in the self-cleaning oven.*

Grill Element: Follow instructions on page 8 for removing the grill element. The grill element should never be immersed in water. Most soil will burn off during use. The terminal block may be cleaned with soapy S.O.S. pad. Dry thoroughly before reinserting in the range.

Porcelain Drain Pan: This area, located under the grill-rocks, should be cleaned after each heavy use of the grill.

- To remove light soil, clean area with soapy water or spray with cleansers such as 409 or Grease Relief. For easier clean-up, soak paper towels in a household cleanser, lay in drain pan, 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 such as Easy-Off; let soak overnight, wipe clean, rinse and dry.



Cleaning Parts of Your Cooktop

Control Knobs

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 spring on the shaft, returning in OFF position.

Control Knob Area

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

Porcelain Cooktop

The cooktop has a porcelain-enamel finish, which is a glass-like material fused on metal. It may crack or chip with misuse.

- Do not drop heavy utensils on the surface.
- Never wipe a warm or hot porcelain enamel surface with a *damp* cloth.

To clean cool cooktop surface:

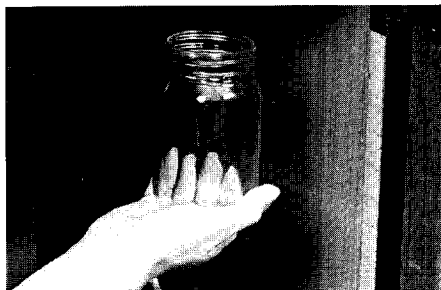
- For general daily cleaning and light soil, wash with warm soapy water and rinse. Polish with a dry cloth.
- To clean stubborn spots, clean with mild liquid sprays and nylon or plastic scrubbing pads. **Note:** To prevent scratching or dulling the surface, use sparingly and rub gently. Rinse well. Polish with a dry cloth.
- Do **NOT** use abrasive or caustic cleaning agents which may permanently damage the finish.

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.

Under Counter

Grease Jar: A grease jar is located below each cooking bay area (under the counter). Check periodically to prevent grease spilling over. Unscrew and remove. If jar is broken, replace with any heat tempered jar, such as a canning jar, which has a standard screw neck.

Serial Plate: DO NOT CLEAN.



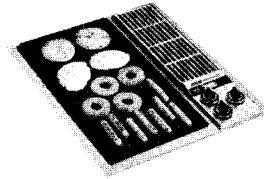


Accessories

Griddle

Self-draining griddle makes many favorite foods easier to fix. Family-sized surface lets you cook several pancakes, hamburgers, or grilled sandwiches at a time. Has a black nonstick finish.

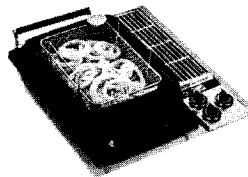
Model A300



French Fryer/Cooker

Ideal for hors d'oeuvres or anything you french fry or stew. Includes large fry basket, temperature gauge and transparent cover. Attractive black nonstick finish.

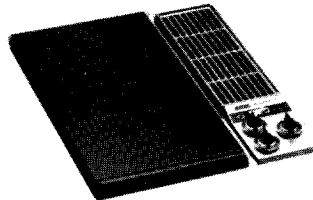
Model A330



Grill Cover

Attractive grill cover protects grill when not in use. Functional black textured steel with molded handles.

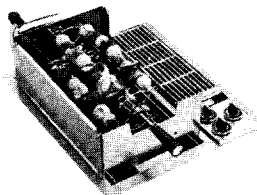
Model A341



Two-in-One Combination Accessory Rotiss/Kebab

Enjoy the great flavor of rotissed foods indoors all year 'round and make parties more fun by serving attractive shish kebabs. Includes chrome finish motor, rotiss, shish kebab skewers, all brackets and accessories. Folds for easy storage.

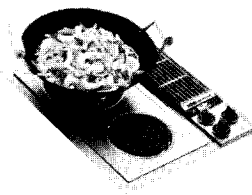
Model A311



Wok Plug-in Cooktop Accessory

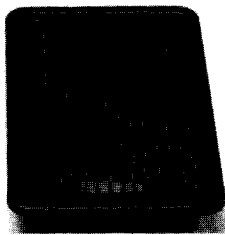
For use with *conventional coil cartridge only*. Includes special plug-in contoured element that installs in large element for *ideal* heat transfer. Deluxe wok has nonstick finish, wood handles, cover, racks for steaming and deep frying, bamboo rice paddles, cooking tips and recipes.

Model A140



Plug-in Grill Assembly

Grill assemblies include one plug-in element, two grill-rocks and two black anodized aluminum grates to convert either side of your grill-range to a grill. A storage tray is included. (Tray is *not* included with grill shipped with your grill-range.)



“Energy-Saver” Model. 2800 watt grill element permits you to control temperatures under front and rear grills independently.

Model A151

Standard Model. 2800 watt grill element distributes heat under entire grill area.

Model A150



Complete Cooking with Jenn-Air

This outstanding cookbook by Jenn-Air features many invaluable recipes and cooking tips when using your Jenn-Air grill, accessories or selective-use convection oven. 192 pages.

Model A905

Storage Tray

To store grill assemblies which came with range or cooktop cartridges except induction.

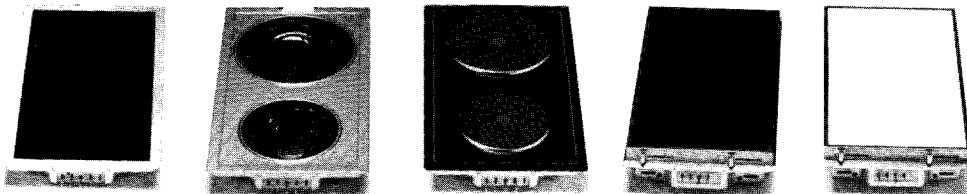
Model A350

Plug-in Canning Element

Special canning element plugs into *conventional coil cooktop cartridge* (Model A100), raising the heating element above the cooking surface. Allows use of oversized utensils and those with warped or rippled bottoms.

Model A145

Cooktop Cartridges



BLACK CERAMIC CONVENTIONAL SOLID ELEMENT BLACK & WHITE INDUCTION

Black Glass-Ceramic

Twin element plug-in cooktop cartridge Rated 240 volts **No. A120**
 Rated 208 volts **No. A120-8**

Conventional Coil Dual rated 208/240 volts

Twin Element plug-in cooktop cartridge **No. A100**

Solid Element

Twin element plug-in cooktop cartridge Rated 240 volts **No. A105**

Induction Cartridge Dual rated 208/240 volts

Twin element cartridge with rear plug-in terminal **White-No. A130R, Black-No. A135R**

Twin element cartridge with front plug-in terminal **White-No. A130F, Black-No. A135F**

IMPORTANT INFORMATION

Date Purchased _____ Model Number _____

JENN-AIR DEALER FROM WHOM PURCHASED

ADDRESS _____

CITY _____

PHONE _____

AUTHORIZED JENN-AIR SERVICE CONTRACTOR

ADDRESS _____

CITY _____

PHONE _____

IMPORTANT: Retain proof of purchase documents for warranty service.

Before You Call for Service

- Check your home fuse or circuit breaker system to be certain electrical power is available.
- If either element of the cooktop cartridge fails to heat—switch the cartridge to other side of cooktop. If it operates on that side, then cooktop control switch may be a fault. If it does not heat on *either* side—indications are that cartridge requires service.

In this event, you may speed service by delivering the lightweight cartridge to the authorized Jenn-Air Service Contractor, thus by-passing the time required for normal home-service schedules.

If You Need Service

- Call the authorized Jenn-Air Service Contractor listed in the Yellow Pages or the dealer from whom your appliance was purchased.
- 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.

NOTE: Complete service and parts literature are available from any authorized Jenn-Air Parts Distributor.

All specifications subject to change by manufacturer without notice.