IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION OR USE.

SAFETY AND WARNING CODES

**DANGER:**

**IF YOU SMELL GAS:**
1. Shut off the gas to the appliance.
2. Extinguish any open flame.
3. Open lid.
4. If odor continues, keep away from the appliance and **immediately** call your gas supplier or the fire department.

**WARNING:**

1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

**WARNING:**

Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. For proper installation, refer to the installation instructions. For assistance or additional information, consult a qualified professional service technician, service agency, or the gas supplier.

This appliance is designed as an attended appliance. **DO NOT** leave this appliance burning when unattended.

All electrical outlets in the vicinity of the grill must be properly grounded in accordance with local codes, or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1, whichever is applicable.

Keep all electrical-supply cords and fuel-supply hoses away from any heated surface.

Proper operation of your grill requires prompt and periodic maintenance. See the SERVICING AND CLEANING section for details.

Robert H. Peterson Co. • 14724 East Proctor Avenue • City of Industry, CA 91746

REV 2 - C - 2008311305

L-C2-453
DANGER:
SI VOUS SENTEZ LE GAZ :
1. Coupez le gaz à l’appareil.
2. Éteignez-vous n’importe quelle flamme nue.
3. Ouvrez le couvercle si équipé d’un four.
4. Si l’odeur continue, gardez loin de l’appareil et appelez immédiatement votre département de fournisseur ou de feu de gaz.

AVERTISSEMENT:
1. Ne stockez pas ou n’employez pas l’essence ou d’autres vapeurs et liquides inflammables à proximité de ceci ou d’aucun autre appareil.
2. Un cylindre de propane non relié pour l’usage ne sera pas stocké à proximité de ceci ou d’aucun autre appareil.

SÛRETÉ ET CODES D’AVERTISSEMENT

AVERTISSEMENT:
L’installation inexacte, l’ajustement, le changement, le service, ou l’entretien peuvent causer des dommages ou des dégâts matériels. Référez-vous à ce manuel. Pour de l’aide ou des renseignements supplémentaires, consulter un technicien professionnel qualifié de service, une agence de service ou le fournisseur de gaz.
## CONTENTS

### GETTING STARTED
- INSTALLATION, OPERATION, AND SAFETY INFORMATION .................................. 4
- ELECTRICAL CONNECTIONS ................................................................. 4
- GAS SAFETY INFORMATION .................................................................... 5
- WARNING .................................................................................................. 5
- WHEN USING PROPANE GAS ............................................................... 5
- WHEN USING NATURAL GAS ............................................................... 5
- INSTALLATION SAFETY GUIDELINES .................................................. 5
- OPERATING THE UNIT SAFELY AND CORRECTLY ................................ 5
- SAFE USE & MAINTENANCE OF PROPANE GAS CYLINDERS ................. 7
- INSTALLATION REQUIREMENTS ......................................................... 8
  - OVERHEAD CONSTRUCTION REQUIREMENTS ..................................... 8
  - REAR WALL CLEARANCES ................................................................. 9
  - SIDE WALL / CORNER WALL CLEARANCES (if applicable) .................... 9
  - COMBUSTION AIR AND COOLING AIRFLOW .................................... 10
  - GAS-SUPPLY PLUMBING REQUIREMENTS ........................................ 10
- ELECTRICAL SAFETY ............................................................................... 11
- MODEL SPECIFICATIONS ........................................................................ 12
  - STAND-ALONE GRILL WIRING DIAGRAM ......................................... 12
- COMBO GRILL REPLACEMENT PARTS LIST ........................................... 14

### INSTALLATION
- INSTALLATION ....................................................................................... 17
  - LOCATION PREPARATION .................................................................. 17
  - WHEELS AND CASTERS ...................................................................... 17
  - CONNECT THE GAS SUPPLY ............................................................ 18
  - LEAK TEST .......................................................................................... 19
  - INSTALL THE FLAVOR GRIDS ....................................................... 19
  - CONNECT THE POWER SUPPLY TO LINE POWER ......................... 21
- FIRE MAGIC® DRIP TRAY ....................................................................... 22

### USE, CARE, & SERVICE
- IDENTIFICATION OF GRILL CONTROLS ............................................. 23
- USING THE GRILL .................................................................................... 24
- LIGHTING (IGNITION) INSTRUCTIONS .................................................. 25
  - ELECTRONIC LIGHTING .................................................................... 25
  - MANUAL LIGHTING ............................................................................ 25
- SHUTTING OFF THE UNIT ...................................................................... 25
- OPTIONAL INFRARED BURNER OPERATION ......................................... 27
- OPTIONAL ROTISSERIE INSTRUCTIONS ............................................... 28
- USING THE FOLDING SHELF ................................................................. 29
- PAPER TOWEL HOLDER .......................................................................... 29
- SERVICING AND CLEANING ................................................................. 30
  - CLEANING YOUR GRILL .................................................................... 30
  - REPLACING HALOGEN BULBS ............................................................ 32
  - CONTROL PANEL REMOVAL .............................................................. 33
  - SYSTEM RESET .................................................................................. 34
  - BURNER(S) REMOVAL ........................................................................ 34
  - CONVERT GAS TYPE / CHECK BURNER ORIFICES ......................... 35
  - AIR SHUTTER ADJUSTMENT .............................................................. 38
- NOTES PAGE ............................................................................................ 40
- TROUBLESHOOTING .............................................................................. 41
- WARRANTY ............................................................................................... 42
1. The outdoor appliance and surrounding area MUST remain clear of flammable substances such as gasoline, yard debris, wood, etc. Maintain a minimum horizontal clearance of 18” (in all directions) from combustible materials/items.

2. Do not block the 1” front air inlet along the bottom of the control panel. See the COMBUSTION AIR AND COOLING AIRFLOW section under INSTALLATION REQUIREMENTS for details.

3. This unit must be installed so that the vent openings on the cabinet remain clear and free at all times. See the GAS SAFETY INFORMATION section.

4. **When using propane gas:** the propane cylinder, regulator, and rubber hose must be in a location not subject to temperatures above 125°F (51°C).

5. The backburner cover or infrared burner cover (if equipped) must be removed before using the burner.

6. The flames on each burner burn evenly along the entire burner with a steady flame (mostly blue). If burner flames are not normal, check and clean the orifice and burner/venturi tubes for insects and insect nests. A clogged tube can lead to a fire beneath the unit. A proper flame pattern will ensure safe operation and optimal performance. Adjust the air shutter as needed (see AIR SHUTTER ADJUSTMENT section under SERVICING AND CLEANING).

7. The in-line gas valve or gas cylinder valve must always be shut OFF when the unit is not in use.

8. The drip collector holes must be clear and unobstructed. Excessive grease deposits can result in a grease fire.

9. Whenever reconnecting **any** wires, apply a small amount of dielectric grease to the male connector, then make the connection. This will ensure conductivity and prevent moisture from affecting the contact.

10. All surfaces of the unit become HOT during use. Exercise caution when using this unit, especially when adding charcoal or cranking the charcoal pan up or down.

11. **Wear gloves and use extreme caution** whenever installing and handling this product and its accessories as certain components have sharp edges that can cause personal injury.

12. Adults MUST be present when this gas appliance is operating. This appliance MUST **NOT** be left burning when unattended.

---

**WARNING:** NEVER cover more than 75% of the cooking or grill surface with griddles or pans. Overheating will occur, and burners will not perform properly when combustion heat is trapped below the cooking surface.

---

**IMPORTANT**

**IN THE EVENT OF A GREASE FIRE, IMMEDIATELY SHUT OFF THE MAIN GAS VALVE TO THE UNIT. KEEP THE LID OPEN AND ALLOW THE FIRE TO EXTINGUISH ITSELF. KEEP AT A SAFE DISTANCE. A THOROUGH INSPECTION BY A QUALIFIED PROFESSIONAL SERVICE TECHNICIAN SHOULD BE CONDUCTED BEFORE FUTURE USE OF YOUR UNIT. THE SERVICE TECHNICIAN WILL CHECK THE SYSTEM FOR GAS LEAKS AND WILL CHECK ALL ELECTRICAL WIRING FOR DAMAGE. ALL GAS LEAKS AND WIRING MUST BE REPAIRED PRIOR TO FUTURE USE.**

---

**ELECTRICAL CONNECTIONS**

A **120VAC (15 AMP minimum) GFCI GROUNDED 3-wire receptacle** (not included) is required within the vicinity of the unit to provide power to it. The GFCI receptacle must be a WEATHER-PROOF IN-USE COVERED RECEPTACLE.

- Observe the National Electric Code and all local codes.
- Verify proper polarity of the receptacle.
- If an extension cord is used, ensure it is a 3-wire **GROUNDED** cord that is rated for the power of the equipment, and is approved for outdoor use with a W-A marking. **DO NOT** use 2-prong adapters.
- **DO NOT TAMPER WITH THE EXTENSION CORD OR THE UNIT POWER-SUPPLY CORD.**

Important: **ONLY REPLACE THE INTERIOR OVEN LIGHTS WITH 12V / 10 WATT HALOGEN BULB(S).**
WARNING
This appliance MUST be installed and operated according to the information below.

FAILURE TO PROPERLY VENT THE GRILL CABINET MAY RESULT IN A FIRE OR EXPLOSION CAUSING PROPERTY DAMAGE, BODILY INJURY, OR DEATH.

A leaking gas connection or valve unintentionally left open will create a hazard.

WHEN USING PROPANE GAS

- **Propane gas** (also known as L.P. gas) is heavier than air and will accumulate or pool in an inadequately vented enclosure or recessed area.
- If a pool of propane gas is ignited, an explosion will occur. Adequate venting at the floor level of the cabinet eliminates this danger.
- DO NOT store a spare propane-gas cylinder in or near the unit.

WHEN USING NATURAL GAS

- **Natural gas** is lighter than air and will accumulate at the top of an inadequately vented enclosure.
- If an accumulation of natural gas is ignited, an explosion will occur. Adequate venting at the top of the cabinet eliminates this danger.

INSTALLATION SAFETY GUIDELINES

THIS UNIT MUST BE INSTALLED SO THAT THE VENT OPENINGS ON THE CABINET REMAIN CLEAR AND FREE AT ALL TIMES.

The gas cylinder, regulator, and rubber hose must be in a location not subject to temperatures above 125° F (51° C).

IF A PROPANE CYLINDER IS INSTALLED INSIDE OF THE CABINET, THE GUIDELINES FOUND IN THE SAFE USE & MAINTENANCE OF PROPANE GAS CYLINDERS SECTION MUST BE FOLLOWED.

OPERATING THE UNIT SAFELY AND CORRECTLY

Every time you use the unit, make sure that:

1. The area around the unit is clear and free from combustible materials, gasoline and flammable vapors/liquids.
2. There is no blockage of the airflow through the vent openings located on the cabinet.
3. The hose is inspected (if applicable). See SAFE USE & MAINTENANCE OF PROPANE-GAS CYLINDERS section.

DO NOT store any combustible materials, gasoline, and any other flammable vapors/liquids in the vicinity of the unit. Provide adequate clearance for servicing and operation.
**Utilisation sûre et entretien des cylindres de gaz de propane**

**Important pour votre sûreté**

Lisez et suivez tous les avertissements équipés de votre cylindre de gaz de propane. En actionnant cet appareil avec un cylindre de gaz de propane, ON DOIT observer ces instructions et avertissements.

Le manque de faire ainsi peut avoir comme conséquence une incendie ou une explosion sérieuse.

**Cylindre et conditions et caractéristiques de connecteur**

a. Les bouteilles, les vannes et les tuyaux de propane doivent être entretenus et inspectés avant chaque utilisation. Ils doivent être remplacés en cas de dommages visibles. Si le tuyau est coupé ou présente des signes d’abrasion ou d’usure, il doit être remplacé avant utilisation (voir e.).

b. Cette unité, lorsqu’elle est utilisée avec une bouteille, doit être connectée à une bouteille standard de gaz propane de 5 gallons (20 lb) équipée d’un dispositif anti-débordement répertorié. L’appareil est obligatoire sur toutes les bouteilles vendues depuis le 1er octobre 1998 afin d’empêcher tout remplissage excessif.

c. Les dimensions du cylindre doivent être d’environ 12 " (30,5 cm) de diamètre et 18" (45,7 cm) de hauteur. Les bouteilles doivent être construites et marquées conformément aux spécifications du ministère des Transports (DOT) pour les bouteilles à gaz LP ou à la norme relative aux bouteilles, sphères et tubes pour le transport des marchandises dangereuses et à la Commission, CAN / CSA-B339, selon le cas.

d. Le cylindre doit inclure un collier pour protéger la valve de cylindre et le circuit d’alimentation de cylindre doit être assuré le retrait de vapeur.

e. Le montage du régulateur de pression et le flexible (Fig. 6-1) fourni avec cet appareil au gaz en plein air (modèles au propane seulement) doit être utilisé. Assemblées d’origine et régulateur de pression et le tuyau de remplacement doivent être ceux spécifiés par le constructeur pour le raccordement d’un dispositif de cylindre de liaison identifié comme de type I par l’ANSI Z 21.58/CGA 1.6 (voir liste des pièces pour les informations de commande).

f. La valve de cylindre de gaz de propane doit être équipée d’un dispositif d’accouplement de raccordement de cylindre, décrit comme type I dans la norme définie dans le e. de paragraphe ci-dessus. Ce dispositif est généralement décrit comme coupleur de fil de point culminant.

g. Si votre cylindre de gaz de propane vient avec une prise de la poussière, placez le bouchon anti-poussière sur la sortie de valve de cylindre toutes les fois que le cylindre n’est pas en service.

**Opération de coupleur**

Pour relier le regulator/hose à l’ajustage de précision de valve de cylindre de gaz de propane: Serrez l’écrou de main sur le régulateur au-dessus de l’ajustage de précision de fil de point culminant sur la valve de cylindre. Tournez l’écrou de main dans le sens des aiguilles d’une montre pour engager les fils et pour serrer jusqu’à ce que douillettement. L’utilisation des pinces ou de la clé ne devrait pas être nécessaire. Seulement le propane marqué par cylindres doit être employé.

Pour débrancher: Tournez l’écrou de main dans le sens contraire des aiguilles d’une montre jusqu’à isolé (fig. 6-1).

**Important:**

Avant d’employer le unité, et ensuite chaque fois que le cylindre est enlevé et rattaché, examinez tous les raccordements pour déceler les fuites. Arrêtez les valves de unité et ouvrez la valve principale de cylindre, puis vérifiez les raccordements avec de l’eau savonneux. Réparez toutes les fuites avant d’allumer le unité.

**Attention:**

Tournez toujours la valve principale de cylindre de propane au loin après chaque utilisation, et avant de déplacer le unité et le cylindre, ou débrancher l’accouplement. Cette valve doit rester fermée et le cylindre a débranché alors que l’appareil n’est pas en service, quoique l’écoulement de gaz soit arrêté par un dispositif de sûreté quand le coupleur est débranché.

Inspectez soigneusement l’ensemble de tuyau chaque fois avant que le gaz soit allumé. Un tuyau fissuré ou effiloché doit être immédiatement remplacé.

S’il’appareil est stocké à l’intérieur, le cylindre doit être disconnected et a enlevé. Des cylindres Disconnected doivent être stockés dehors, hors de la portée des enfants, avec les prises de valve filetées étroitement installées, et ne doivent pas être stockés dans un bâtiment, le garage, ou n’importe quel autre secteur inclus.

**Pour votre sûreté**

a. Ne stockez pas un cylindre de gaz disponible de propane dessous ou ne vous approchez pas de cet appareil.

b. Ne remplissez jamais cylindre au delà de 80 pour cent de plein.

c. Si l’information dans “A” et “B” N’EST PAS SUIVIE EXACTEMENT, UN FEU CAUSANT LA MORT OU DES DOMMAGES SERIEUX PEUT SE PRODUIRE.

**Fig. 6-1 type coupleur de fil de point culminant d’I**
SAFE USE & MAINTENANCE OF PROPANE GAS CYLINDERS

IMPORTANT FOR YOUR SAFETY
READ AND FOLLOW ALL WARNINGS PROVIDED WITH THE PROPANE-GAS CYLINDER.
When operating this appliance with a propane-gas cylinder, these instructions and warnings MUST be observed.
FAILURE TO DO SO MAY RESULT IN A SERIOUS FIRE OR EXPLOSION.

CYLINDER/CONNECTOR REQUIREMENTS

a. Propane-gas cylinders, valves, and hoses must be maintained in good condition and inspected before each use of appliance. They must be replaced if there is any visible damage. If hose is cut or shows excessive abrasion or wear, it must be replaced before using appliance (see e.).

b. This unit, when used with a cylinder, should be connected to a standard 5-gallon (20 lb.) propane-gas cylinder equipped with a listed overfilling prevention device. The device has been required on all cylinders sold since October 1, 1998, to prevent overfilling.

c. Cylinder dimensions should be approximately 12” (30.5 cm) in diameter and 18” (45.7 cm) high. Cylinders must be constructed and marked in accordance with the U.S. Department of Transportation (D.O.T.) Specifications for LP-Gas Cylinders, or the Standard for Cylinders, Spheres, and Tubes for Transportation of Dangerous Goods and Commission, CAN/CSA-B339, as applicable.

d. The cylinder used must include a collar to protect the cylinder valve, and the cylinder supply system must be arranged for vapor withdrawal.

e. The pressure regulator and hose assembly (Fig. 7-1) supplied with this outdoor gas appliance (L.P. models only) must be used. Original and replacement pressure regulator and hose assemblies must be those specified by the manufacturer for connection with a cylinder connecting device identified as Type I by the ANSI Z 21.58/CGA 1.6 (see PARTS LIST for ordering information).

f. The propane-gas cylinder valve must be equipped with a cylinder connection device, described as Type I in the standard defined in paragraph e. above. This device is commonly described as an Acme thread coupler.

g. If the propane-gas cylinder comes with a dust plug, place the dust cap on the cylinder valve outlet whenever the cylinder is not in use.

COUPLER OPERATION

To connect the regulator/hose assembly to the propane-gas cylinder valve fitting: Press the hand nut on the regulator over the Acme thread fitting on the cylinder valve. Turn the hand nut clockwise to engage the threads and tighten until snug.

The use of pliers or a wrench should not be necessary. Only cylinders marked “propane” may be used.

To disconnect: Turn the hand nut counterclockwise until detached (Fig. 7-1).

Important: Before using the unit, and after each time the cylinder is removed and reattached, check all connections for leaks.

Secure the hand wheel, then check connections with soapy water. Repair any leaks before lighting the unit.

CAUTION: Always turn the propane cylinder main valve off after each use, and before moving the unit and cylinder or disconnecting the coupling. This valve must remain closed and the cylinder disconnected while the appliance is not in use, even though the gas flow is stopped by a safety feature when the coupler is disconnected.

Carefully inspect the hose assembly each time before the gas is turned on. A cracked or frayed hose must be replaced immediately.

If the appliance is stored indoors, the cylinder must be disconnected and removed. Disconnected cylinders must be stored outdoors, out of the reach of children, with threaded valve plugs tightly installed, and must not be stored in a building, garage, or any other enclosed area.

FOR YOUR SAFETY

a. DO NOT store a spare propane-gas cylinder under or near this appliance.

b. NEVER fill the cylinder beyond 80-percent full.

c. IF THE INFORMATION IN a. AND b. IS NOT FOLLOWED EXACTLY, A FIRE CAUSING DEATH OR SERIOUS INJURY MAY OCCUR.

SECURING THE PROPANE-GAS CYLINDER

1. Lift latch handle to unlock tray and pull outward.

2. Set propane-gas cylinder into the sleeve of the extended tray with base inserted into center hole and collar opening to back. Follow instructions above to connect supply.

3. With gas cylinder in place and connected, slide tray back into cart and lock latch handle by pushing firmly downward.

Fig. 7-2

Fig. 7-3

Fig. 7-4

Fig. 7-5
Installation must be performed by a qualified professional service technician.

This unit is designed for outdoor use only. **DO NOT** use this unit inside a building, garage, or enclosed area, or under overhead combustible construction. **DO NOT** use this unit in or on a recreational vehicle or boat.

**OVERHEAD CONSTRUCTION REQUIREMENTS**

A minimum 5 foot clearance is required between the countertop and the non-combustible overhead construction.

![Fig. 8-1 Overhead requirements](image-url)
Important: The grill is not insulated. Refer to the information below to ensure all required clearances are met.

REAR WALL CLEARANCES

For the minimum clearances between the unit and rear walls, your setup must fall within one (or more) of the following:

A. Clearance between unit and strictly non-combustible rear wall
   
   (i.e. brick wall, see Fig. 9-1)
   
   • The unit must have a minimum clearance of 4" from the non-combustible rear wall.
     (To allow for proper ventilation and prevent dangerous overheating.)

B. Clearance between unit and a protected combustible rear wall
   
   (i.e. a non-combustible wall in front of a combustible wall to serve as a barrier. This can be accomplished by brick, or a metal stud finished with non-combustible substrate, see Fig. 9-2)
   
   • The unit must have a minimum clearance of 14" from the protected combustible rear wall.
     (The 4" non-combustible material plus an additional 10" clearance between the unit and protected rear wall.)

C. Clearance between unit and combustible rear wall
   
   • The unit must have a minimum clearance of 18" from the combustible rear wall (see Fig. 9-3).

SIDE WALL / CORNER WALL CLEARANCES
   (if applicable)

The unit must have a minimum clearance of 24" from any side walls (to account for variables in airflow that could affect performance). See Fig. 9-4.
The control panel MUST remain removable for servicing (see CONTROL PANEL REMOVAL section).

**COMBUSTION AIR AND COOLING AIRFLOW**

Proper airflow (front-to-back, Fig. 10-1) MUST be maintained for the unit to perform as it was designed. If airflow is blocked, overheating and poor combustion will result. Do not block the 1” front air inlet along the bottom of the control panel.

**CAUTION:** Wind blowing into or across the rear oven lid vent (Fig. 10-3) can cause poor performance and/or dangerous overheating. Orient the grill so that the prevailing wind blows toward the front of the grill (Fig. 10-2). A wind deflector is available for purchase to assist in proper airflow during windy conditions (gas side only). See Table 1 for model numbers. Follow the instructions included with the wind deflector for installation.

**GAS-SUPPLY PLUMBING REQUIREMENTS**

The gas supply is to be brought up near/behind the unit. Your individual installation may vary. **Observe the National Fuel Gas Code and all local codes. Leak test at all connections.**

The gas supply must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small, or the run is too long. **Gas supply pipe must be ½” minimum interior diameter. If the gas line is longer than 20’, a larger diameter line may be necessary. Refer to the NFPA 54 guidelines for further details.**

Any rigid pipe gas line MUST stop outside of and near the unit. It CANNOT be routed inside the cabinet of the unit. For natural gas models, a quick disconnect hose is included and pre-installed to the valve manifold, and routes out of the cabinet. For household propane, an appropriate, C.S.A. approved, flexible hose or similar MUST be purchased to route from the unit valve manifold out to the gas line. The R.H.P. quick disconnect hose is recommended, and is discussed and illustrated in this manual (see INSTALLATION and PARTS LIST sections). Contact your dealer for ordering information. (If your household propane setup varies from what is shown, observe the National Fuel Gas Code and all local codes.)

Use a pipe joint compound resistant to all gasses on all NPT pipe fittings. Make sure to tighten every fitting securely. **Do not use pipe joint compound to connect flare fittings.**

**Important:** A shut-off valve (not included) in the gas supply line is required. It provides for safety when the unit is not in use and for convenient maintenance and repair. It must be installed within 6 feet of the unit and must be easily accessible. Use a pipe joint compound resistant to all gasses on all NPT pipe fittings except flare fittings.

**GAS SUPPLY AND MANIFOLD PRESSURES:**

For **natural gas** - normal 7” water column (w.c.), minimum 5”, maximum 10 1/2”. For **propane gas** - normal 11” w.c., minimum 10”, maximum 13”.

**Note:** An additional regulator may be needed to meet these requirements.
• To protect against electric shock, do not immerse cord or plugs in water or other liquid.
• Unplug from the outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts.
• Do not operate any outdoor cooking gas appliance with a damaged cord, plug, or after the appliance malfunctions or has been damaged in any manner. Contact the manufacturer for repair.
• Do not let the cord hang over the edge of a table or touch hot surfaces.
• Do not use an outdoor cooking gas appliance for purposes other than intended.
• When connecting, first connect plug to the outdoor cooking gas appliance then plug appliance into the outlet.

**ELECTRICAL SAFETY**

- Use only a properly wired and inspected 120VAC (15 AMP minimum) Ground Fault Circuit Interrupter (GFCI) GROUNDED 3-wire receptacle with this outdoor cooking gas appliance.
- The GFCI receptacle must be a WEATHER-PROOF IN-USE COVERED RECEPTACLE.
- Never remove the grounding plug or use with an adapter of 2 prongs.
- Use only extension cords with a 3 prong grounding plug, rated for the power of the equipment, and approved for outdoor use with a W-A marking.
- The provisions of the National Electric Code as well as any local codes must be observed when installing the product.
### MODEL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>A830s</th>
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</thead>
<tbody>
<tr>
<td>Main burner quantity</td>
<td>2</td>
</tr>
<tr>
<td>N/P orifice drill size</td>
<td>#42 / #54</td>
</tr>
<tr>
<td>Backburner*</td>
<td></td>
</tr>
<tr>
<td>N/P orifice drill size</td>
<td>#52 / #59</td>
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<tr>
<td>Charcoal burner</td>
<td></td>
</tr>
<tr>
<td>N/P orifice drill size</td>
<td>#40 / #53</td>
</tr>
<tr>
<td>Infrared searing burner*</td>
<td></td>
</tr>
<tr>
<td>N/P orifice drill size</td>
<td>#49 / #56</td>
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<tr>
<td>Wind deflector model #</td>
<td>23728-19</td>
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<tr>
<td>(gas side only, not included)</td>
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<tr>
<td>Burner maintenance kit model #</td>
<td>MK-1</td>
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<tr>
<td>(gas side only, not included)</td>
<td></td>
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<tr>
<td>Grill complete maintenance kit #</td>
<td>MCK-1</td>
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<tr>
<td>(gas side only, not included)</td>
<td></td>
</tr>
<tr>
<td>NAT to LP conversion kit</td>
<td>24336-21</td>
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<tr>
<td>(w/ tank tray) model #</td>
<td></td>
</tr>
<tr>
<td>Input electrical requirements</td>
<td>100–240 VAC / 1.90A max. / 50/60 Hz / GFCI outlet</td>
</tr>
<tr>
<td>Appliance rating</td>
<td>13 VDC / 150 Watts</td>
</tr>
<tr>
<td>Interior oven lights rating</td>
<td>12V / 10 watt halogen bulb</td>
</tr>
</tbody>
</table>

* If equipped.

**Table 1 - Product Specifications**

**STAND-ALONE GRILL WIRING DIAGRAM**

* Model w/ backburner shown. Model wire diagrams may vary.

Note: In addition, a wire diagram specific to your unit can be found affixed to the inside of the control panel.
### Table 2 - Grill Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>A830s</td>
<td>Open (A): 57 1/4&quot;</td>
<td>Left to right Cart base (D): 50 7/8&quot;</td>
<td>Front to back Cart base (H): 21 3/4&quot;</td>
</tr>
<tr>
<td></td>
<td>Closed (B): 50&quot;</td>
<td>61 1/4&quot;</td>
<td>71 1/4&quot;</td>
</tr>
<tr>
<td></td>
<td>Floor to top (with oven): 37&quot;</td>
<td>81&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td></td>
<td>Floor to top of shelf (C): 50 7/8&quot;</td>
<td>61 1/4&quot;</td>
<td>71 1/4&quot;</td>
</tr>
</tbody>
</table>

**Fig. 13-1**
To order replacement parts, contact your local Fire Magic® dealer.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part No.</th>
<th>Qty.</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>18x12 stainless cooking grid</td>
<td>3542-DS-1</td>
<td>3</td>
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<td>2.</td>
<td>18x10 stainless cooking grid</td>
<td>3558-DS-1</td>
<td>1</td>
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<tr>
<td>3.</td>
<td>Flavor grid (set of 2)</td>
<td>3063-S-2</td>
<td>1</td>
</tr>
<tr>
<td>4.</td>
<td>Main burner</td>
<td>3042-50</td>
<td>2</td>
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<tr>
<td>5.</td>
<td>Flame arrester kit</td>
<td>24177-05</td>
<td>2</td>
</tr>
<tr>
<td>6.</td>
<td>Silicone gasket</td>
<td>24177-06</td>
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<tr>
<td>7.</td>
<td>Infrared burner *</td>
<td>3065</td>
<td>1</td>
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<tr>
<td>8.</td>
<td>Charcoal burner</td>
<td>24133-31</td>
<td>1</td>
</tr>
<tr>
<td>9.</td>
<td>Oven lid thermometer with bezel</td>
<td>23307</td>
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<td>10.</td>
<td>Oven lid (gas grill)</td>
<td>23729-59</td>
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<tr>
<td>11.</td>
<td>Oven lid (charcoal grill)</td>
<td>23727-59</td>
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<td>12.</td>
<td>Oven lid handle w/ mounts (gas grill)</td>
<td>3735-27</td>
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<td>13.</td>
<td>Oven lid handle w/ mounts (Charcoal grill)</td>
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<td>14.</td>
<td>Warming rack (gas grill)</td>
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<td>15.</td>
<td>Warming rack (charcoal grill)</td>
<td>3681S-B</td>
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<tr>
<td>16.</td>
<td>Charcoal screen</td>
<td>3306-01</td>
<td>1</td>
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<td>17.</td>
<td>Charcoal tray</td>
<td>3306-S</td>
<td>1</td>
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<tr>
<td>18.</td>
<td>Backburner *</td>
<td>24130-11H</td>
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<tr>
<td>19.</td>
<td>Backburner cover *</td>
<td>24148-010</td>
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<td>20.</td>
<td>Heavy-duty rotisserie motor *</td>
<td>3600-02</td>
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<td>21.</td>
<td>Heavy-duty rotisserie rod *</td>
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<td>22.</td>
<td>Meat holder (pair) *</td>
<td>3613</td>
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<td>23.</td>
<td>Counterbalance *</td>
<td>3620E</td>
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<td>24.</td>
<td>Grid lifter</td>
<td>3519</td>
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<td>25.</td>
<td>Convertible regulator</td>
<td>PR-4</td>
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<td>26.</td>
<td>Valve manifold w/ backburner</td>
<td>24330-22</td>
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<td>or</td>
<td>Valve manifold w/o backburner</td>
<td>24330-24</td>
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<td>27.</td>
<td>Control panel w/ backburner</td>
<td>24133-45</td>
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<td>or</td>
<td>Control panel w/o backburner</td>
<td>24133-46</td>
<td>1</td>
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<tr>
<td>28.</td>
<td>Small knob</td>
<td>14182-42</td>
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<td>29.</td>
<td>Large knob</td>
<td>14182-41</td>
<td>2</td>
</tr>
<tr>
<td>30.</td>
<td>LED disk (small)</td>
<td>14182-64</td>
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<td>31.</td>
<td>LED disk (large)</td>
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<td>Crank</td>
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<td>33.</td>
<td>Drip tray</td>
<td>3084</td>
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<td>or</td>
<td>Drip tray with match holder</td>
<td>3085</td>
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<td>34.</td>
<td>Drip tray liner (set of 4)</td>
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<td>35.</td>
<td>Charcoal drip tray</td>
<td>3088</td>
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* Optional
† Not shown
<table>
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<tr>
<th>Item</th>
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<th>Part No.</th>
<th>Qty.</th>
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<td>Folding shelf (left)</td>
<td>24316-15L</td>
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<td>37.</td>
<td>Folding shelf (right)</td>
<td>24316-15R</td>
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<td>38.</td>
<td>Paper towel holder assembly</td>
<td>25387-11</td>
<td>1</td>
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<td>39.</td>
<td>Tool holder assembly †</td>
<td>25387-12</td>
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<td>40.</td>
<td>Door (left)</td>
<td>24370-19L</td>
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<tr>
<td>41.</td>
<td>Door (right)</td>
<td>24370-19R</td>
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</tr>
<tr>
<td>42.</td>
<td>Charcoal access door handle</td>
<td>3900-40</td>
<td>4</td>
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<td>43.</td>
<td>Caster kit (set of 4)</td>
<td>3400-7</td>
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<td>44.</td>
<td>Storage drawer</td>
<td>24370-31</td>
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<td>45.</td>
<td>Propane regulator with hose (propane models only)</td>
<td>5110-07</td>
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<td>or</td>
<td>Quick disconnect hose † (included with natural models only)</td>
<td>5110-03</td>
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<td>46.</td>
<td>Propane tank tray (propane models only)</td>
<td>24336-36</td>
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<td>47.</td>
<td>Wire harness assembly †</td>
<td>24177-29</td>
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<td>Backburner electrode *†</td>
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<td>Natural charcoal gas orifice(s) †</td>
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<td>54.</td>
<td>Propane gas orifice(s) †</td>
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<td>55.</td>
<td>Propane backburner gas orifice *†</td>
<td>3001-59-1</td>
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<td>56.</td>
<td>Propane charcoal gas orifice(s) †</td>
<td>3001-53-1</td>
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<td>Power supply w/ cord</td>
<td>24182-18</td>
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<td>58.</td>
<td>12V / 10 watt halogen light bulb †</td>
<td>24187-15</td>
<td>2</td>
</tr>
<tr>
<td>59.</td>
<td>Light lens †</td>
<td>24187-26</td>
<td>2</td>
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<tr>
<td>60.</td>
<td>Lamp assembly †</td>
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<td>Light switch</td>
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<td>62.</td>
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<td>63.</td>
<td>Lighting tube (right) †</td>
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<td>64.</td>
<td>Backburner flex connector *†</td>
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<tr>
<td>65.</td>
<td>Air baffle</td>
<td>24194-40</td>
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</tr>
</tbody>
</table>

* Optional  
† Not shown
LOCATION PREPARATION
Prepare a flat, level surface capable of supporting the weight of the stand-alone grill and convenient to the gas supply if connecting to a gas line.

WHEELS AND CASTERS
To lock a caster press down on the side of the lever with the word "ON" stamped on it until it stops and the caster will not turn. To unlock, press down on the side stamped "OFF."

INSTALL THE TOOL HOLDER AND PAPERTOWEL HOLDER
The rectangular mounting bracket for the tool holder and the paper towel holder come pre-attached to the sides of the cart.

Unpack the holder portion, squeeze the open ends together slightly, and install them into the mounting bracket (see Fig. 17-2). Next, release the hanger so that the ends extend out through the holes in the top and bottom of the mounting bracket (Fig. 17-3, 17-4).

When not in use, the racks may be folded back against the wall of the grill (Fig. 17-3, 17-4).
CONNECT THE GAS SUPPLY

To Connect To Propane Cylinder:
Read the safety warnings and follow the instructions in the section SAFE USE AND MAINTENANCE OF PROPANE GAS CYLINDERS.

To Connect To Natural Or Household Propane Gas Supply:

- Before connecting the gas supply to your appliance, pressures MUST be tested and MUST NOT exceed 10.5” w.c. for Nat. gas and 13” w.c. for L.P. gas. An additional regulator may be required.
- Refer to the GAS SUPPLY PLUMBING REQUIREMENTS section for all details on the gas supply and its setup.
- For natural gas models, a quick disconnect hose is included and pre-installed to the unit valve manifold. For household propane, an appropriate, C.S.A. approved, flexible hose or similar MUST be purchased to route from the unit valve manifold out to the gas line. The R.H.P. quick disconnect hose is recommended, and is discussed and illustrated here. See PARTS LIST and contact your dealer for ordering information. (If your setup varies from what is shown here, observe the National Fuel Gas Code and all local codes.)

1. Turn OFF gas supply at the source.

2. Household propane only: A regulator hose assembly designed for L.P. cylinders comes pre-installed to the unit valve manifold. First remove this assembly from the flare adapter (at end of manifold), and then install a quick disconnect hose or similar (purchased separately) to the adapter. (An R.H.P. quick disconnect hose is recommended - see third bullet above.) Use a pipe joint compound resistant to all gasses on all NPT pipe fittings except flare fittings. Reference Fig. 18-1. Then proceed to step 3.

3. Route the quick disconnect hose (or similar) out of the hole in the rear bottom right of the cabinet, and to the gas supply (see Fig. 18-1).

Note: For quick disconnect hoses, the quick disconnect female socket will first need to be detached to allow the hose to feed through the hole.

4. A shut-off valve is required within 6 feet of the unit and must be easily accessible.

Connect the quick disconnect female socket to the shut-off valve OR gas supply (NPT) using a pipe joint compound resistant to all gasses (see Fig. 18-2). Tighten securely. Re-attach the hose to the disconnect female socket.

**Fig. 18-1** Flexible hose assembly detail

**Fig. 18-2** Connecting to a gas line
LEAK TEST
Turn all burner valves to the OFF position. Turn on the gas supply, and test at all connections for leaks using a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. NEVER USE A FLAME TO CHECK FOR LEAKS.

Once the leak test is complete, turn off the gas supply and proceed.

INSTALL THE CRANK
Fit the crank handle into the hole on the front right side of the face. Aligning it carefully, screw it into the nut on the frame. After installation, crank the handle in and out to raise and lower the charcoal pan. See Fig. 19-1.

INSTALL THE FLAVOR GRIDS
Place the flavor grids directly onto the studs on the burners. Align the cutouts on the grids to the lighting tubes. See Fig. 19-2. The flavor grids allow heat from the burners to be evenly distributed throughout the cooking area.
INSTALL THE COOKING GRIDS

Note: Wear heat-resistant gloves if necessary.

Note: Do not leave the lifter on any hot surfaces.

1. With the prongs facing downward, insert the notched-end of the lifter between two grid rods, then rotate, as shown in Fig. 20-1, A & B.

   Note: To balance, insert the notched-end of the lifter in the middle front half of the cooking grid.

2. Insert the rear pointed-end of the lifter between the same two rods (Fig. 20-1, B) and carefully lift the cooking grid and place onto the front and rear grid rests of the grill (see Fig. 20-2). Repeat for all other cooking grids.
INSTALL THE WARMING RACK

Note: Wear heat-resistant gloves if necessary.

1. Locate the warming rack hooks and rear supports found on the upper portion of the grill oven (see Fig. 21-1).

2. With the warming rack oriented as shown, carefully rest the rear of the rack onto the rear support plates (Fig. 21-2, A), then rest the warming rack arms onto the two lower hooks for use (Fig. 21-2, B). Repeat for the other warming rack.

3. Use the top hooks for storage (see Fig. 21-1 and Fig. 21-3).

Placing the warming rack in storage position or removing the warming rack on the gas side before using the rotisserie will leave more clearance for the meat being cooked (if applicable).

CONNECT THE POWER SUPPLY TO LINE POWER

Connect the cord coming from the rear of the unit to a 120VAC (15 AMP minimum) GFCI GROUNDED 3-wire receptacle. The GFCI receptacle must be a WEATHER-PROOF IN-USE COVERED RECEPTACLE.

WARNING: Electrical Grounding Instructions - This appliance is equipped with a three-pronged (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.
The drip collector allows you to brush or scrape residue from the grill's inner liner into the drip trays. Following the manufacturers instructions and regular cleaning of the grill's interior with oven cleaner, will help to prevent grease fires.

Your grill includes a pack of four (4) Fire Magic® drip tray liners (Fig. 22-1). For your convenience in cleanup, place a liner into the drip tray (gas grill side only) before grilling.

To fit a liner into the drip tray, pull out the tray and set it on a flat, level surface. Place the liner in the drip tray as shown in Fig. 22-2 and carefully insert the tray back under the control panel.

**Note:** Be sure that the liner is properly placed into the drip tray. The front of the liner must fit under the drip tray's lighting instruction plate tabs (see 22-3 detail).

After each use, wait for the grill to cool and carefully pull out the drip tray to check it. When a liner is nearing full, carefully lift it out of the drip tray, lifting with both hands to keep the tray level until it is safely discarded. Then insert a new drip tray liner.

Order more drip tray liners through your local Fire Magic® dealer.

**Note:** The foil tray liner is also useful for setting on burners to cover them and catch drippings directly during rotisserie only cooking.

**CHARCOAL DRIP TRAY**

After each use, wait for the grill to cool and carefully pull out the charcoal drip tray to check it. When nearing full, carefully pull out the drip tray, lifting with both hands to keep the tray level until it is safely discarded.

**Note:** The charcoal drip tray has a heatshield to protect from over heating. It may be necessary to remove the heatshield to properly clean out the charcoal drip tray. When reinstalling, the heatshield dimples must face downward as shown in Fig. 22-5.

The grill serial number tag can be found affixed to the grill body behind the control panel (on an aluminum tag) and on the underside of the drip tray handle (gas grill side). It is recommended that the drip tray first be removed and cleaned / emptied of its contents, then turned over to view. The unit rating label is located inside the control panel.
* The light switch is push button operated, and is located on the right side of the control panel. It controls the power to all lights.

**Fig. 23-1** A830 controls
BEFORE INITIAL USE

Ensure that:

- the unit has been properly installed and leak tested by a qualified professional service technician and as instructed in this manual.
- you have read and understand all of the information in this manual.

BEFORE EACH USE

Ensure that:

- you smell around the appliance area for gas. If you smell gas (and all control knobs are in the OFF position), immediately shut off the gas supply and contact a qualified professional service technician or the gas supplier for inspection.
- the vent openings and surrounding area of the unit are clear and free at all times.
- the cooking area and drip tray are clean, and the drip tray is properly installed.
- you inspect all piping and hoses for damage, cuts, wear, and tear. Replace any damaged components prior to use.

OPERATION

- The unit becomes HOT during use, INCLUDING THE CHARCOAL ACCESS DOOR HANDLE AND CRANK. NEVER touch any part of the cooking area or surrounding hot surfaces with bare hands. Use long-handled insulated BBQ tools and wear an insulated glove / oven mitt.
- Always keep your face and body as far from the unit as possible during use. Avoid wearing loose-fitting clothing as they could ignite.
- This appliance is designed as an attended appliance. DO NOT leave this appliance burning when unattended.
- NEVER cover more than 75% of the cooking surface with griddles or pans to prevent overheating.
- After each use, turn the control knob(s) to the OFF position and turn off the gas supply to the unit.

After reading and understanding all bullets above, follow these steps to light and use your grill:

1. Light the grill per the LIGHTING INSTRUCTIONS section.
2. Turn the control knobs to the HI-LIGHT position, close the hood, and allow the grill to preheat for 15 minutes or until desired cooking temperature is reached.
3. Place the food on the grill and cook as desired. Monitor the flames and the temperature, and adjust the heat setting if necessary. See the CHARCOAL TRAY section below to adjust the heat on the charcoal side.
4. See the sections below and the following pages for all other information regarding use.

WIND CONSIDERATIONS

Proper airflow (front-to-back, Fig. 24-1) MUST be maintained for the unit to perform as it was designed. See the INSTALLATION REQUIREMENTS section for details.

When using the unit in windy conditions, the wind can disrupt the airflow and cause overheating. To prevent overheating during windy conditions, do not leave the hood closed with the burners on high for more than 15 minutes.

WARMING RACK

The warming rack can be placed in two positions: the lower hooks are for use and the upper hooks are for storage. Refer to the INSTALLATION section for information on warming rack positioning.

CHARCOAL TRAY

The charcoal grill has an adjustable tray that allows you to change the charcoal height while cooking, and add fuel without having to remove the grids. Use the access door to add or spread out the coals while cooking (Fig. 24-2). Turning the crank handle raises or lowers the pan to increase or decrease the grilling heat as desired.

Exercise caution when adding charcoal or cranking the charcoal pan up/down. Use long-handled insulated BBQ tools and wear an insulated glove / oven mitt.

AFTER EACH USE

1. Operate on high with hood closed for 10-15 minutes to burn off all grease.
2. Turn off the grill and brush the cooking grids to remove all residue.

CAUTION: Use long-handled insulated BBQ tools and wear an insulated glove / oven mitt.
3. When the grill is cool, check and clean the drip tray. Then cover the grill.

Note: For additional cleaning information, refer to the SERVICING AND CLEANING section.
ELECTRONIC LIGHTING

**CAUTION:**
If a burner does not light within five (5) seconds of turning on the control knob, depress the knob and turn it to the OFF position. **WAIT FIVE (5) MINUTES** before repeating step 4. If you smell gas, follow the instructions on the cover of this manual. If the burners still do not light after several attempts, refer to the instructions for manual lighting.

1. Open lid(s) or remove cover(s) from burner(s) to be lit.
2. Turn all gas control knob(s) to their OFF position(s).
3. Turn on the gas at its source.

**Note:** Do not turn on more than one valve at a time for either electronic or manual lighting.

4. Depress the desired control knob **for 5 seconds**. Ensure the igniter is glowing (inside of lighting tube), then, while pressing turn the knob counterclockwise to the HI LIGHT position. Once the burner lights, release the knob.

**CAUTION:** If a burner does not light within five (5) seconds of turning on the control knob, depress the knob and turn it to the OFF position. **WAIT FIVE (5) MINUTES** before repeating step 4. If you smell gas, follow the instructions on the cover of this manual. If the burners still do not light after several attempts, refer to the instructions for manual lighting.

5. Repeat step 4 for each additional burner to be lit.

**WHEN USING A PORTABLE PROPANE TANK**

Propane tanks are equipped with a safety shutdown device that may cause low or no gas pressure/flame at the burners if operating and lighting instructions are not followed exactly (See important note in the TROUBLESHOOTING section for more details.)

**MANUAL LIGHTING**

**CAUTION:** Always wait five (5) minutes for gas to clear after any unsuccessful lighting attempt.

1. Follow steps 1 through 3 (left).
2. Insert either a burning long-barrel butane lighter or a burning long-stem match through the cooking grid opening to the top of the lighting tube. (Fig. 25-2). For backburners or infrared burners, hold the flame against the surface of the backburner/infrared burner. For charcoal burners, hold the flame near the burner. Grills equipped with an infrared burner include a wire extension match holder (attached to drip tray) to assist with manual lighting (Fig. 25-3).

3. Hold the match/ lightener flame at the top of the lighting tube **for 5 seconds**, or, next to the backburner/charcoal/infrared burner. Then depress the appropriate control knob and while pressing turn it counterclockwise to the HI LIGHT position. Remove the lighter or match when the burner lights, and release the control knob.

4. If the burner does not light within five (5) seconds of turning the control knob, **immediately depress the knob and turn the valve to OFF**. **WAIT FIVE (5) MINUTES** before repeating steps 2 through 4 of the MANUAL LIGHTING instructions.

**SHUTTING OFF THE UNIT**

To shut off the unit, depress each valve control knob and while pressing turn it clockwise to the OFF position.

Always close the valve from the gas supply after each use of the unit.

**CHARCOAL GRILL**

Remove the cooking grids and lower the charcoal tray all the way down. Pile your charcoal on the screen (avoid spillage). Light the charcoal burner using the charcoal knob, as described above. Allow it to burn for 5-10 minutes, or until the charcoal has independently lit. Then turn off the charcoal burner.

For your convenience and safety; when the control knob is turned to the on position, the gas flow indicator will change from blue to red. (Red indicates gas flow.) See Fig. 25-1.
ÉCLAIRAGE ÉLECTRONIQUE

Note: Le unité doit être relié à la puissance 120VAC pour l’éclairage électronique.

1. Ouvrez les couvercles ou enlevez les couvertures des brûleurs pour être Lit.
2. Tournez tous les boutons de commande de gaz à leurs positions de repos.
3. Allumez le gaz à sa source.

Note: N’ouvrez pas plus d’une valve à la fois pour l’éclairage électronique ou manuel.

ÉCLAIRAGE MANUELL

ATTENTION: Attendez toujours cinq (5) minutes le gaz pour se dégager après que n’importe quelle tentative non réussie d’éclairage.

1. Suivez les étapes 1 à 3 (à gauche).
2. Passez un allumeur brûlant de butane de long-baril ou une allumette brûlante de long-tige dans la grille à cuire s’ouvrant au dessus du tube d’éclairage. (Fig. 26-2). Pour les brûleurs de dos ou les brûleurs infrarouges, maintenez la flamme contre la surface du brûleur de brûleurs arrière / infrarouge. Pour les brûleurs à charbon, maintenez la flamme près du brûleur. Les grils équipés d’un brûleur infrarouge comprennent un porte-allumette à rallonge métallique (fixé au plateau d’égouttage) pour faciliter l’éclairage manuel (Fig. 26-3).
3. Tenez la flamme allumette / briquet au sommet du tube d’éclairage pendant 5 secondes ou à côté du brûleur arrière / au charbon / infrarouge. Puis appuyez sur le bouton de contrôle approprié et en appuyant tourner dans le sens antihoraire à la position HI LIGHT. Retirez le briquet ou des allumettes quand le brûleur s’allume, puis relâchez le bouton de commande.
4. Si le brûleur ne se allume pas dans les cinq (5) secondes de tourner le bouton de commande, enfoncez immédiatement le bouton et tournez la valve à AU LOIN.
ATTENDEZ CINQ (5) MINUTES avant de répéter les étapes 2 à 4 des instructions manuelles d’éclairage.

EN EMPLOYANT UN RÉSERVOIR DE PROPANE PORTATIF

Des réservoirs de propane sont équipés d’un dispositif d’arrêt de sûreté qui peut ne pas causer le bas ou aucunes pression de gaz/flamme aux brûleurs si le fonctionnement et l’allumage des instructions ne sont pas suivis exactement (voir la note importante dans la section de dépannage pour plus de détails.)

ARRÊT DU UNITÉ

Pour couper le unité, diminuez chaque bouton de commande de valve et tout en pressant tour il dans le sens des aiguilles d’une montre à la position de repos.

Fermez toujours la valve de la fourniture de gaz après chaque utilisation du unité.

Pour votre convenance et sûreté ; quand le bouton de commande est tourné à la position de fonctionnement, l’indicateur d’écoulement de gaz changera de bleu en le rouge. (Le rouge indique l’écoulement de gaz.) Voir la Fig. 26-1.
The infrared searing burner (optional) cooks with a powerful radiant heat.

Light the infrared burner following the LIGHTING INSTRUCTIONS in this manual or printed on the drip tray. Follow these guidelines when operating the Infrared burner:

• **DO NOT** place food on the cooking grid until the infrared burner glows orange (Fig. 27-3). Drippings are heated and evaporate instead of sticking to and impairing burner function.

• For cleaning purposes; always leave your burner on (after cooking) for an additional 5 minutes, to allow for a burnoff period. This is important to keep your burner clean and operating properly.

As the burner is self cleaning (at full temperature); avoid the use of cleaners or abrasives.

• When not in use, **always** cover the infrared burner with the stainless-steel cover. This protects the burner from drippings (from other cooking), water, airborne particles, and foreign objects (Fig. 27-2).

**Important:** Clean burners allow the gas to circulate and burn over the entire heating surface for powerful and even cooking.

• Do not strike or scrape the ceramic portion of the burner as it may chip, crack, or break (Fig. 27-2).

**Important:** When grilling with the infrared burner, always place a cooking grid above it. The cooking grid must be removed for rotisserie cooking.

**CAUTION:** Never attempt to operate the infrared burner with the protective cover in place.

---

**WARNING**

Only handle the infrared burner cover when the unit is cold or with a well-insulated long-handled tool or heat resistant gloves.

**SIDE VIEW** (with cover on)

Burner ceramic must be protected with cover when burner is **not in use**.

**SIDE VIEW**

(burner on HI LIGHT and glowing orange)

Drips and particles evaporate before hitting infrared burner when cooking at the maximum setting.

**Note:** Flavor grids are not to be used with infrared burners.

To ensure proper operation, all infrared burners (back and main) must be operated on the HI setting for a minimum of 10 minutes. Thereafter, the flame may be lowered as desired.

**CAUTION:** Always monitor the infrared burner flame when operated on low, as it may blow out in high-wind conditions.
OPTIONAL ROTISSERIE INSTRUCTIONS

CAUTION: WHEN USING THE BACKBURNER; KEEP THE OVEN LID CLOSED TO PREVENT HEAT LOSS, PROVIDE PROPER CONVECTION, AND PROVIDE PROPER VENTING. THIS WILL ENSURE EVEN COOKING TEMPERATURES.

DO NOT KEEP YOUR OVEN LID OPEN DURING ROTISSING, AS THIS MAY CAUSE PERSONAL INJURY, OR IN SOME CASES, IN WINDY CONDITIONS, DAMAGE TO THE GRILL.

DO NOT USE THE ROTISSERIE MOTOR IN THE RAIN.
DO NOT LEAVE THE MOTOR ON THE GRILL WHEN NOT IN USE.

1. On the gas side of the grill, set the warming rack to storage position, remove the backburner cover and cooking grids (see Fig. 28-1).

Note: Remove the flavor grids only if large meats require the clearance. The warming rack may also be removed if needed.

2. Slide the rotisserie motor fully onto the motor bracket located on the right side of the grill (see Fig. 28-2) and connect it to a power source (do not turn on).

3. Remove the rotisserie rod from the grill rear bracket. Clean the rod if needed.

4. Slide the left meat holder onto the rod and tighten (see Fig. 28-3, A).

5. Then slide meat onto the rod, followed by the right meat holder (see Fig. 28-3, B and C).

6. Slide the meat into the left holder, then the right holder into meat. Tighten the right meat holder. Be sure the meat is centered and balanced as well as possible, and the holders have a good grip on the meat.

7. Hold both ends of the rod so it settles freely (do not grip tightly). Allow the rod to rotate until the heavy side of the meat rests downward.

8. The counterbalance may then be attached to even weight distribution. Slide the counterbalance onto the rod next to the right meat holder (see Fig. 28-3, D). Loosen the arm and point it upward opposite the heavy side of the meat. Tighten the arm.

9. Slide the counterbalance weight up or down the arm until the rod rotates most evenly then tighten thumb screw (see Fig. 28-3, D).

10. Insert the pointed-end of the rod into the motor drive socket (see Fig. 28-4, E). Then rest rod groove (next to the knob) into the left support bracket (see Fig. 28-4, F).

11. To keep meat drippings off the burners and to simplify cleanup, place Fire Magic drip tray liners under the meat, if desired.

12. Press the motor power switch to start.

13. Light the backburner per the lighting instructions in this manual (or on drip tray handle) and close the oven lid.

Important: Turn the backburner to low or off when stopping the rotisserie to prevent overcooking.
Using the Folding Shelf

Drop-Self Operation

A. To lower the shelf, grasp the middle of the shelf on both sides and lift upward so that the inner lip of the shelf, along the side of the cabinet, lifts out of the locking slot. Then use the handle to allow the end of the shelf to slowly rotate down as pictured to the right.

B. To raise the shelf, perform the opposite of A. above. Grab the shelf by the handle and raise to the horizontal position. Lift slightly upward from the center of the shelf on both sides, allowing the inner lip to drop down into the locking slot and lock the shelf safely into position.

Caution: Do not place fingers near hinge when closing.

Paper Towel Holder

This Fire Magic® unit comes with a fold-away paper towel holder.

To use the paper towel holder:

1. Make sure the collapsible shelf is extended and locked.

2. Grasp the rounded end of the paper towel holder firmly (without compressing it) and pull it away from the side of the cabinet wall so that it rotates toward the front and locks into the extended position.

3. Slide a roll of paper towels over the rounded end of the paper towel holder until the entire roll is on the holder and past the retaining lip.

When not in use, the rack may be folded back out of the way by firmly grasping the rounded end of the holder and rotating it back into position against the wall of the cabinet.

Warning

Remove paper towels or anything flammable from the holder before folding it back against the hot wall. Placing flammable objects too close to a heat source may cause fire, property damage, or injury.

Caution: The paper towel holder must be folded back against the cabinet before lowering the collapsible shelf (see above). Failure to do so could result in damage to the unit.
Your grill requires regular cleaning and maintenance. Refer to these instructions for details. Performing these procedures will ensure proper operation, appearance, and safety.

WARNINGS

- Prior to servicing or cleaning make sure the unit is completely cool, the control knobs are turned to the OFF position, the gas supply is shut off, the light switch is off, and the power supply is disconnected (as applicable and unless otherwise stated).
- Wear appropriate gloves and safety glasses during any servicing or cleaning.
- DO NOT spray any cleaner or liquids on the grill when hot.
- The grill MUST be cleaned regularly to prevent grease build-up and other food deposits. A clean and well maintained grill prevents the risk of grease build-up and grease fires.
- Verify proper operation after servicing or deep cleaning.
- See INSTALLATION, OPERATION, AND SAFETY INFORMATION section for additional related information.

CLEANING YOUR GRILL

Before Each Use

1. Inspect and clean the exterior surfaces of the unit: With a cool grill, clean any dust, grease, splatter, or spills as needed with a damp clean cloth.

After Each Use

1. Perform a burn-off and clean the cooking grids: Operate the grill on high with the hood closed for 15 minutes to burn-off food and grease and allow for an easier cooking grid clean. Then turn OFF the grill and use a grill brush to clean the cooking grids of all residue. Use long-handled insulated BBQ tools and wear an insulated glove / oven mitt.

2. Check and clean your drip tray (gas side of grill): When the grill is cool, carefully remove the drip tray and dispose of contents appropriately. If tray is equipped with a liner, dispose of the liner. Clean tray in a soapy water solution if needed. For tough deposits, a copper pad can be used. Rinse and dry completely. Replace a new liner and insert the tray back into the grill. Order more drip tray liners through your local dealer.

3. Check and clean the charcoal components (charcoal side grill): When the grill is cool, carefully remove the charcoal drip tray and screen. Dispose of all ashes appropriately. Clean the charcoal tray, charcoal screen, and pan with a soapy water solution if needed. For tough deposits, a copper pad can be used. Rinse and dry completely. Replace the drip tray, pan and screen back to the grill.

4. Cover your grill: Once the grill is dry and cool, cover your grill with a Fire Magic protective cover (not included).

Twice A Year (or as needed) - Deep Clean

1. Interior of grill: In addition to cleaning the cooking grids and drip tray, a deep clean of the interior of the grill, burners, and all components MUST be performed twice year (or as needed depending on use). Refer to the CARE, CLEANING, & MAINTENANCE GUIDE manual provided with your grill, or simply scan the QR code on the right.

Important: The burner ports and carry-over ports/slots MUST be kept clean to ensure proper ignition and operation. The guide provides all details on cleaning.

2. Exterior of grill: With a cool grill, use a grill cleaner (or a soapy water solution) and a clean cloth to remove grease and dirt from the outside of the grill. For tough deposits, a copper pad can be used. Always wipe with the grain. Rinse and dry completely. Then follow up with a stainless steel cleaner and a clean cloth. To clean the magic view window (if equipped), use a quality brand glass cleaner. DO NOT use other cleaners or chemicals.

Important: DO NOT use steel wool, any other metal tools, or any other cleaners/chemicals to clean the exterior other than recommended above. Such items promote rust.

Note: Due to the nature of stainless steel, temperatures produced by the grilling process will cause discoloration. This can be reduced by routine cleaning.
For Environments High In Salt, Chloride, Or Other Corrosive Chemicals

When this grill is installed in a corrosive environment such as near the ocean (salt air), poolside (chlorine and/or pool chemicals) or any other location with exposure to high salt/chloride content or corrosive chemicals/solutions, it will be more susceptible to corrosion and **MUST** be maintained/cleaned more frequently.

- **DO NOT** store any corrosive chemicals (chlorine, hydrochloric acid, fertilizer, etc.) near your stainless steel grill.
- **DO NOT** allow any corrosive materials (masonry dust, debris, etc.) to settle on your stainless steel grill.
- These environments, chemicals, and materials may cause the 304 stainless steel to develop surface rust and consequently pitting. Under these conditions the grill exterior **MUST** be cleaned at least monthly. Inspect your grill often and clean accordingly.

### Protecting Your Grill

An optional protective cover will protect your grill when not in use. Install the cover on a **cool and dry** grill. **DO NOT** cover a damp grill. During high humidity or after rainy conditions, remove the cover to dry trapped moisture if present. (If the cover is installed over a damp grill it can cause surface rust.)

Ensure that the INSIDE of the cover is **DRY** before putting it back on the grill.
REPLACING HALOGEN BULBS

Your grill is engineered with the conveniences of electrical power for illuminating and igniting the grill. To replace any interior oven light, follow the instructions below.

Important: ONLY REPLACE WITH 12V / 10 WATT HALOGEN BULB(S).

WARNING

To protect from potentially sharp sheet metal and glass, wear gloves and safety glasses during this procedure.

1. Turn all burner control knobs to the OFF position and shut off the gas supply to the grill at the source (tank valve for propane units or gas line shut-off valve for natural gas units.)

2. Disconnect supply of external electrical power to the grill.

CAUTION: Wait for the grill, oven, lens, light bulb, and fixture to cool before proceeding to the next step.

3. Open the oven lid.

Important: Place one hand directly below the glass lens and prepare to catch it when it is detached.

4. Carefully insert a standard flat head screwdriver or thin plastic spatula between the glass lens and the stainless steel on which the light is mounted and gently pry the glass lens out in such a way that the stainless steel is not scratched (twisting the screwdriver handle, for instance). Catch the lens and set it safely aside.

Note: You may wish to take this opportunity to clean the lens with a standard household window cleaner and then dry it completely.

5. Wearing a pair of gloves, reach into the fixture, gently grab the bulb, and pull it straight out of the fixture so that the two pins at the base of the bulb come all the way out.

Important: Bulb is halogen. DO NOT TOUCH with bare hands. Oils from hands drastically reduce bulb life.

Note: It may be helpful to rock the bulb gently backward and forward while pulling it out.

6. Inspect the old bulb for broken glass or filament.

Note: It may be beneficial to test a suspect bulb in one of the other light fixtures known to be working and turn the power back on to be certain the bulb is actually not working.

7. Insert the new 12V / 10 watt halogen bulb into the socket so that both pins slide all the way into the two holes in the bottom of the socket.

8. Place the lens back into the fixture opening with the curved cutout on the bottom and snap it back into place.
CONTROL PANEL REMOVAL

1. Turn the control knob(s) to the OFF position and turn off the gas supply to the unit.
2. Turn off the light switch and disconnect the power supply from the power source.
3. Pull the control knob(s) from the stems and set aside.
4. Slowly lift the lighted bezels to clear the valve stems, and let rest as shown in Fig. 33-1.
5. Remove the drip trays.
6. Using a Phillips screwdriver, unscrew and remove the control panel fastener screws and washers (located along the front face of the control panel). Retain the screws for later re-installation.
7. Remove the crank.
8. Carefully open the control panel by lifting and pulling the control panel from the frame, allowing it to rest on the internal chain(s).

Important: When opening, take caution to not damage any wiring.

9. If wire disconnections are required, reference the wire diagram in the MODEL SPECIFICATIONS section in this instruction manual or the wire diagram label affixed to the inside of the control panel.

Note: Secure any disconnected wires (coming from the inside of the unit) to prevent them from falling in.

Note: Whenever reconnecting any wires, apply a small amount of dielectric grease to the male connector, then make the connection. This will ensure conductivity and prevent moisture from affecting the contact.

Important: During reinstallation; prior to opening the gas shut-off valve, be sure the control knob(s) are in the OFF position.
SYSTEM RESET

If the unit is connected to the power supply but the ignition system and grill components are not functioning, the power supply is likely to be in “protection mode” and a system reset will need to be performed.

1. Ensure the knobs are in the OFF position, the gas supply is turned off, and the light switch is off.
2. Disconnect the harness from the power supply (see Fig. 34-1, A).
3. Disconnect the power supply from the power source. (see Fig. 34-1, B).
4. Check/replace any harnesses as needed.
5. Ensure the power GFCI breaker is reset.
6. Reconnect the power supply to the power source, then connect the harness to the power supply.
7. Test all components.

Note: The green LED light on the power supply indicates it is working properly.

BURNER(S) REMOVAL

1. Remove the cooking grid and flavor grid from above the burner that is to be removed and set them aside.
2. Locate and remove the cotter pin from the left or right rear burner anchoring peg by pulling it straight out of the cotter pin hole using fingers or needle-nose pliers. See Fig. 34-2.
3. Carefully lift the burner from the burner support and out from the hole in the forward fire wall. See Fig. 34-3.
4. To replace the burner, slide the open cylindrical end of the burner around the orifice, enveloping it and centering on it. Then lower the back end anchor pegs into the burner support anchor peg holes.

Note: It is critical to the continued safe functioning of the burners that the orifices are centered and completely inside the burner gas inlets.
5. Re-install the cotter pin into the rear burner anchor peg using fingers or needle-nose pliers.
6. Replace the flavor grid and cooking grid.
7. Repeat these steps for the other burner(s), if needed.
SERVICING AND CLEANING (Cont.)

CONVERT GAS TYPE / CHECK BURNER ORIFICES

CAUTION: Make sure the grill is at a safe temperature and isolated from gas and electrical supplies before beginning.

For your safety, exercise caution, and make sure you have adequate hand protection, such as gloves, when handling metal parts.

Apply Conversion Label

This grill comes from the factory configured for one type of gas as marked on the label inside the cabinet.

When the grill is converted, the label for the new gas (included at original shipping) MUST be filled out and applied next to the existing label mentioned above.

Convert Regulator

The gas regulator, located behind the control panel, must be set for the type of gas used to fuel the grill. To check the regulator setting, remove the cap in the center of the regulator (Fig. 35-1, A). Holding the cap vertical (see Fig. 35-1, B), the letters at the bottom of the plastic stalk indicate the gas type for which the regulator is currently configured.

If the text on the bottom of the regulator stalk does not match the gas type connected to the grill, remove the stalk from the cap, invert, and replace into center of cap. Replace cap on the regulator, screwing down until snug.

Convert Gas Orifices

When converting the grill to a different gas type, each burner’s orifice must be replaced with the corresponding orifice for the new gas.

See Table 1 to determine the proper orifice sizes for each burner.

See the following sections for details on orifice conversion.

Important: It is critical to the operation of each burner that its orifice be fully inserted into the center of its orifice opening.

WARNING

HAZARDOUS OVERHEATING WILL OCCUR IF A NATURAL-GAS ORIFICE IS USED WITH PROPANE GAS.

Convert/Check Main Burner Orifices

1. Remove the cooking grids and flavor grids and set them aside.
2. Remove the burners (see the BURNER REMOVAL section for step-by-step instructions).
3. Use a 3/8" hex nut driver to remove the exposed orifices (Fig. 35-3). Check orifices. If needed, replace them with the correct orifices for the new gas.
4. Replace the burners (see the BURNER REMOVAL section).

Note: It is critical to the continued safe functioning of the burners that the orifices are centered and completely inside the burner gas inlets.

5. Replace the flavor grids and the cooking grids.

Convert/Check Backburner Orifice (if equipped)

1. Remove the warming rack if installed and set it aside.
2. Remove the backburner cover.
3. Un Screw all backburner access plate screws using a Phillips-head screwdriver and set them aside.

Connect To New Gas Supply

Plumb the unit as appropriate for the new gas supply. (Additional components may be needed for your specific setup.) Be sure to leak test at all connections.

Natural-gas to propane-gas conversions using a tank internal to a portable grill requires installation of a propane tank holder (not included). This tank holder must be purchased separately from the manufacturer. See Table 1.
4. Remove the access plate by pulling the bottom toward the front of the grill and rotating it upward and outward until the two top tabs attached to back wall of the oven can be removed from the slots in the top of the plate.

5. Remove the backburner assembly retaining screw on the lower left of the backburner using a Phillips-head screwdriver and set it aside.

6. Pull out the wire from the igniter electrode (Fig. 36-2), then carefully remove the backburner by slightly sliding it to the left.

**CAUTION:** Be careful not to damage the wires connected to the backburner assembly.

7. Use a 3/8" hex nut driver to remove the exposed orifice. Check orifice. If needed, replace it with the correct orifice for the new gas.

8. Replace the backburner assembly and reinsert the retaining screw. Center the backburner assembly so that the backburner plate will fit over it. Tighten the retaining screw using a Phillips-head screwdriver.

9. Replace the access plate by first inserting the tabs above into the slots in the top of the plate and then rotating the bottom downward and inward.

10. Replace all the access plate screws using a Phillips-head screwdriver.

**Convert/Check Infrared Burner Orifice (if equipped)**

1. Remove the cooking grid from above the burner.

2. Unscrew both lighting tube hex head screws with a 3/8" hex nut driver.

3. Remove the infrared burner by lifting the back of the burner up so that both tabs are freed from their slots, then lift the burner toward the back of the fire box and upward. Set the burner aside.

4. Use a 3/8" hex nut driver to remove the exposed orifice. Check orifice. If needed, replace it with the correct orifice for the new gas.

5. Replace the infrared burner by first sliding it over the orifice, then lowering the two tabs under the back of the burner into the slots in the back burner rest.

6. Reattach the lighting tube and replace the grid so that the cutout section is in front.
SERVICING AND CLEANING (cont.)

CHANGING THE CHARCOAL BURNER ORIFICE

1. Remove the two cooking grids from above the charcoal burner.

2. Remove the charcoal screen and charcoal tray (see Fig. 37-3).

3. Remove the burner clip that is located on the inner left most wall. It is located toward the bottom, directly to the left of the charcoal burner (see Fig. 37-3 & 37-4). Use a flathead screwdriver to assist in removal.

4. To unsecure the burner; slightly lift the left side upward, shift the entire burner to the right, then rotate clockwise until the burner clears the orifice (see Fig. 37-5). To remove the free burner; lift the right side upward until it clears the grill interior, then completely lift out the burner (see Fig. 37-6).

5. Use a 3/8" hex nut driver to remove the exposed orifice and replace it with the correct orifice for the gas being converted to (see Table 1 for size).

6. Replace the burner, burner clip, charcoal tray, charcoal screen, and cooking grids.
1. Remove the cooking grid and flavor grid that rests over the burner that is to be adjusted.

2. Remove the burner (see the BURNER REMOVAL section).

3. Adjust the air shutter opening by loosening the adjustment screw with a screwdriver, then sliding the air shutter backward or forward to open or close the air shutter opening (see Fig. 38-2).

4. Once the air shutter has been adjusted, replace the burner (see BURNER REMOVAL section).

5. Follow the lighting instructions in this manual to light the burner.

6. Repeat steps 1-4 until the flames appear to touch the burner ports, burning fairly steadily and mostly blue (see Fig. 38-1).

7. Repeat this procedure for the other main burner(s), if needed.

**Warning**: Turn all burner control knobs to the OFF position and turn off the gas supply at the source before removing or adjusting a burner.

**Important**: Air shutters are preset at the factory based on the gas the unit is built to burn. However, altitude or other local conditions may require air shutter adjustment for proper combustion.

**Main Burner(s)**

Flames from a properly adjusted main burner with no wind or breeze present will appear fairly steady, consistent, and mostly blue. If the tip of a flame were to turn orange, it should only do so briefly and then become blue again. The flames will appear to burn while touching the burner ports (see Figure 38-1).

If the flames have orange in them and appear to undulate slowly from side to side, or if some of them appear to lift off the burner instead of touching it, then adjust the air shutter, as instructed in this section.

Too large an air shutter opening will allow too much air into the burner, which will cause the flames first to shorten and then to appear to lift up off the ports. For the bottom of the flames to move closer to the ports, close the air shutter more.

If the air shutter opening is too small or closed, the flames will present consistently orange tips and become “lazy,” slowly undulating back and forth.

For propane gas, ideal settings tend to be just slightly open. For natural gas, which generally requires less primary air than propane, the main burner air shutter may be nearly closed.

**Shutter Setting** | **Flame Condition**
---|---
Open too far | Flames shorten and lift off the burner
Ideal setting | Blue flames just touching burner
Closed too far | “Lazy” flames with orange in them

**Fig. 38-1**

**Fig. 38-2**
Backburner (if equipped)

The air shutter is set at the factory. However, altitude or other local conditions may require air shutter adjustment for proper combustion.

Flames from a properly adjusted backburner will appear as a horizontal line of even blue flames along the bottom of and behind the backburner grating. The grating itself will glow red after it heats up.

Note: It is normal for the backburner to smoke when it is first used. Burning the backburner on HI LIGHT for approximately 15 minutes will eliminate the smoking.

If, instead of being blue and even, the backburner flames appear to have orange in them and waver slowly left and right, or if the flames appear to lift off the burner, adjust the backburner air shutter by following the steps below.

The backburner air shutter adjustment is located behind the right side of the access panel in the back of the oven, above the cooking grid.

Note: It is only necessary to remove the backburner back panel, not the backburner, when adjusting the backburner air shutter.

1. Follow the safety precautions and steps for backburner back panel removal (steps 1-4) in the CHANGING THE BACKBURNER ORIFICE section.

CAUTION: The backburner air shutter can be safely adjusted with the backburner lit if it is adjusted using a long-handled screwdriver or well-insulated fire and heat-resistant gloves.

2. Adjust the air-shutter opening by loosening the adjustment screw with a screwdriver, then sliding the air shutter backward or forward to open or close the air shutter opening (see Fig 39-2). Watch the backburner flames while adjusting the air shutter.

Too large an air shutter opening will allow too much air into the burner, which will cause the flames first to shorten and then to appear to lift up off the ports. For the bottom of the flames to move closer to the ports, close the air shutter more.

If the air shutter opening is too small or closed, the flames will present consistently orange tips and become “lazy,” slowly wavering left and right.

3. Continue adjustment until the flames appear to touch the burner ports, burning fairly steadily, consistently, and mostly blue (see Fig. 39-1), then retighten the backburner air shutter adjustment screw.

4. Replace the burner access plate (step 8 in the CHANGING THE BACKBURNER ORIFICE section).
Please use this page to record any information about your unit that you may want to have at hand.
If you have trouble with the unit, please use this list to identify the problem. By trying one or more of the solutions to the possible cause, you should be able to solve the problem. If this list does not cover your present problem, or if you have other technical difficulties with the unit, please contact your local dealer.

### TROUBLESHOOTING

**If you suspect the propane tank safety shutoff is in effect:**

1. Shut off all grill valves.
2. Shut off tank valve.
3. Open and close a main burner valve.
4. Open tank valve.
5. Follow the LIGHTING INSTRUCTIONS. Lighting instructions are located in the owner's manual and printed on the unit's metal drip tray (gas side of grill). If the problem persists, continue troubleshooting, or contact your local dealer or distributor for assistance.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition system failure</td>
<td>1. Power supply failure</td>
<td>1a. Disconnect harness from power supply, then power supply from power source. Check/replace harnesses as needed. Ensure power GFCl/RCD breaker is reset. Reconnect power supply, then harness extension. Test grill components. If still not working, replace power supply. Green LED light on power supply indicates it is working properly.</td>
</tr>
<tr>
<td></td>
<td>2. Improper air shutter adjustment</td>
<td>1b. Replace power supply.</td>
</tr>
<tr>
<td></td>
<td>5. Front carry-over port</td>
<td>4. Have the gas co. check supply pressure.</td>
</tr>
<tr>
<td>Insufficient heat / low flame</td>
<td>2. Improper air-shutter adjustment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Using propane orifice for natural gas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Low gas pressure/flame (propane)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. Low gas pressure/flame (natural)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. L.P. regulator hose cracked due to age</td>
<td></td>
</tr>
<tr>
<td>Uneven heating</td>
<td>1. Burner ports partially blocked by debris</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Small spiders or insects in burner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Improper air shutter adjustment</td>
<td></td>
</tr>
<tr>
<td>Rotisserie noisy</td>
<td>1. Rotisserie out of balance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. Adjust rotisserie counterbalance.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. Valve “Low” setting needs adjustment</td>
<td></td>
</tr>
<tr>
<td>Burner goes out on LOW</td>
<td></td>
<td>1. Light burner on HIGH, immediately turn to LOW setting. Remove knob from valve and using a small flat screwdriver, slowly turn the adjustment screw in the stem, a little at a time (30° to 45°), in either direction, until the flame is approximately 1/4&quot; in height from burner ports.</td>
</tr>
<tr>
<td></td>
<td>1. Light switch not functioning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Interior or knob lights burned out</td>
<td></td>
</tr>
<tr>
<td>Interior oven lights and knob lights not operating</td>
<td>3. Power supply failure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. Input power source failure</td>
<td>1. Re-connect external power to grill or contact dealer for replacement.</td>
</tr>
<tr>
<td></td>
<td>2. Power supply failure</td>
<td>2. Contact dealer for replacement.</td>
</tr>
<tr>
<td>No power to grill</td>
<td></td>
<td>3. See 1a of Ignition system failure section above and/ or replace power supply.</td>
</tr>
</tbody>
</table>

**Note:** *Propane tanks are equipped with a safety shutdown device that may cause low or no gas/flame at the burners if operating and lighting instructions are not followed exactly.*
WARRANTY

PETERTSON FIRE MAGIC GRILLS AND ACCESSORIES

LIMITED WARRANTY

Robert H. Peterson Co. ("RHP") warrants your Fire Magic® grill to be free from defects in material and workmanship. Fire Magic® cast stainless-steel gas burners, Choice stainless steel U-shaped burners, cooking grids, and stainless steel housings are warranted as long as you own your Fire Magic® grill – LIFETIME. (Except as described below.)

Fire Magic® valves, manifold assemblies, inner liners, porcelain housings (including ovens and barbecue faces), and backburner assemblies (except ignition parts) are warranted for FIFTEEN (15) YEARS.

Fire Magic® Electric Grills, stainless steel cooking grids and stainless steel housings are warranted for TEN (10) YEARS.

Fire Magic® infra-red burners, flavor grids, and charcoal stainless steel grids are warranted for FIVE (5) YEARS, except for the charcoal pan, charcoal grid, thermometer, and ash catch tray, which are warranted for ONE (1) YEAR.

Fire Magic® sideburners, exterior Glass Fiber Reinforced Concrete (GFRC) grill island systems, and all other grill components (except ignition systems and electronic parts) are warranted for THREE (3) YEARS.

Fire Magic® grill and griddle ignition systems (excluding batteries), electronic components (including lights and thermometers), and grill accessories are warranted for ONE (1) YEAR.

A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE IS REQUIRED

This warranty applies to the original purchaser for products which are installed in the United States or Canada and which are operated and maintained as intended for single family residential usage. (If the grill is installed in a multi-user setting, a separate Multi-User Limited Warranty applies and is available from R.H. Peterson Co.). This warranty is valid only with proof of purchase, commence on the date of purchase, and terminates (both as to original and any replacement products) on the anniversary date of the original purchase of the product per the above schedules.

This warranty covers defects in material and workmanship. This warranty does not cover parts which become defective as a result of negligence, misuse, use not in compliance with the Installation and Owner’s Manual, accidental damage, improper handling, improper storage, improper installation, lack of required routine maintenance (as specified in the Installation and Owner’s Manual), electrical damage, local gas impurities or failure to protect against combustibles. Product must be installed (and gas must be connected) as specified in the Installation and Owner’s Manual by a qualified professional installer. Modifications to products which are not specifically authorized will void this warranty. Accessories, parts, valves, remotes, etc. when used must be Peterson products or this warranty is void. Warranted items will be repaired or replaced at Peterson’s sole discretion. This warranty does not apply to rust, corrosion, oxidation, or discoloration unless the affected part becomes inoperable.

This warranty does not cover labor or labor related charges, except as provided by separate specific written programs from the Peterson Co. All repair work must be performed by a qualified professional service person and requires prior approval of Peterson. Peterson may require the defective product or part to be returned to the factory to determine the cause of failure. Peterson will pay freight charges if the product or part is determined to be defective. This warranty does not cover breakage in shipment from our (Independent) distributor to its customer unless the affected part becomes inoperable.

This warranty specifically excludes liability for indirect, incidental, or consequential damages. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that vary from state to state or province.

For additional information regarding this warranty, or to place a warranty claim, contact the R. H. Peterson dealer where the product was purchased. When contacting your Peterson dealer or the R. H. Peterson Co., please provide the following information:

- Your name, address, telephone number, e-mail
- Sales receipt showing where purchased and date purchased
- Model number, serial number of product, date code
- Relevant information: installer, additions, repairs, when defect was first noted

TO REGISTER YOUR PRODUCT ONLINE GO TO: WWW.RHPETERTSON.COM, AND CLICK ON PRODUCT REGISTRATION. THANK YOU FOR YOUR PURCHASE.