



## DELUXE SELECT PORTABLE BARBECUE

### INSTALLATION AND OPERATING INSTRUCTIONS



**INSTALLER:** Leave these instructions with consumer.  
**CONSUMER:** Retain for future reference.

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

### SAFETY WARNINGS & CODES

#### **⚠ DANGER**

##### **IF YOU SMELL GAS:**

1. Shut off the gas to the appliance.
2. Extinguish any open flame.
3. Open lid if equipped with an oven.
4. If odor continues, keep away from the appliance and immediately call your gas supplier or 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. A propane cylinder, not connected for use, shall not be stored in the vicinity of this or any other appliance.

**CODE AND SUPPLY REQUIREMENTS:** This barbecue must be installed in accordance with local codes and ordinances, or, in the absence of local codes, with either the latest *National Fuel Gas Code (ANSI Z223.1/NFPA 54)*, and *Natural Gas and Propane Storage and Handling Installation Code (CSA-B149.1)*.

This appliance and its individual shutoff valves must be disconnected from the gas supply piping system when testing the system at pressures in excess of 1/2 psig (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valves during any pressure testing of the gas supply system at pressures up to and including 1/2 psig (3.5 kPa).

#### **⚠ WARNING**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified professional installer, service agency, or the gas supplier.

All electrical outlets in the vicinity of the barbecue 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*, which ever is applicable.

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



Certified to ANSI: Z21.58-2005 /  
CSA 1.6-2005

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



## BARBECUE PORTATIF CHOISI DELUXE

### INSTALLATION ET CONSIGNES D'UTILISATION

**INSTALLATEUR :** Laissez ces instructions avec le consommateur.  
**CONSOMMATEUR :** Maintenez pour la future référence.



**IMPORTANT:** LISEZ CES INSTRUCTIONS SOIGNEUSEMENT AVANT DE COMMENCER L'INSTALLATION

### AVERTISSEMENTS ET CODES DE SÛRETÉ

**⚠ DANGER**  
**S'il y a une odeur de gaz:**  
1. Coupez l'admission de gaz de l'appareil.  
2. Éteindre toute flamme nue.  
3. Ouvrir le couvercle.  
4. Si l'odeur persiste, gardez loin de l'appareil, et appelez immédiatement le fournisseur de gaz ou le service d'incendie.

**⚠ AVERTISSEMENT**  
1. Ne pas entreposer ni utiliser de l'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de l'appareil, ni de proximité de tout autre appareil.  
2. Une bouteille de propane qui n'est pas raccordée en vue de son utilisation, ne doit pas être entreposée dans le voisinage de cet appareil ou de tout autre appareil.

**⚠ 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 l'aide ou l'information additionnelle consultez un installateur qualifié et professionnel, l'agence de service, ou le fournisseur de gaz.

#### CONDITIONS DE CODE ET D'APPROVISIONNEMENT:

Ce barbecue doit être installé selon des codes et des ordonnances locaux, ou, en l'absence des codes locaux, avec l'un ou l'autre le plus défunt *code national de gaz de carburant (norme ANSI Z223.1/NFPA 54)*, et *stockage de gaz naturel et de propane et manipulation du code d'installation (CSA-B149.1)*.

Cet appareil et ses différents robinets d'isolement doivent être démontés du système sifflant d'offre de gaz en examinant le système aux pressions au-dessus du 1/2 psig (kPa 3.5).

Cet appareil doit être isolé dans le système sifflant d'offre de gaz par fermeture ses différents robinets d'isolement manuels pendant tous les essais sous pression du circuit d'alimentation de gaz aux pressions jusques et y compris le 1/2 psig (kPa 3.5).

Toutes les sorties électriques à proximité du barbecue doivent être correctement fondues selon des codes locaux ou, en l'absence des codes locaux, avec le *code électrique national, ANSI/NFPA 70, ou le code électrique canadien, CSA C22.1*, qui est jamais applicable.

Gardez tout cordon d'alimentation électrique et tuyau d'alimentation en combustible à l'écart des surfaces chauffées.



**Certifié à la norme ANSI: Z21.58-2005 /  
CSA 1.6-2005**

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## PRODUCT DATA TABLE

Specification	Value
<b>Main Burner</b>	
BTU per burner	<b>21,000 (6.2 kw)</b>
Natural gas orifice	<b>#47 (1.994 mm)</b>
Propane gas orifice	<b>#55 (1.321 mm)</b>

**Table 1** - Product Data Table

**Avertissements généraux :**

- Ce barbecue est pour utilisation à l'extérieur seulement. Si l'appareil est entreposé à l'intérieur, enlever les bouteilles et les laisser à l'extérieur.
- Ne pas ranger le gril immédiatement après l'avoir utilisé. Le laisser refroidir avant de le déplacer ou de la ranger. Le non respect de cette mesure de sécurité pourrait entraîner un incendie causant des dommages à la propriété, des blessures ou la mort.
- Ne pas utiliser cet appareil sous une surface combustible.
- Ne pas utiliser cet appareil sous un auvent. Le non respect de cette mesure de sécurité pourrait entraîner un incendie ou des blessures.
- Dégagement minimal entre les parois latérales et l'arrière de l'appareil et la construction combustible (45.7 cm à partir des parois latérales et 45.7cm à partir de l'arrière).
- Le régulateur de pression de gaz prévu avec cet appareil de cuisson à gaz pour l'extérieur doit être utilisé. Ce régulateur est réglé pour une pression de sortie de 5 pouces de colonne de l'eau pour le gaz naturel, et 10 pouces pour le propane.
- LE RÉGULATEUR INCLUS D'APPAREILS EST ÉVALUÉ POUR LE MAXIMUM DE 1/2 (LIVRES PAR POUCE CARRÉ). SI VOTRE OFFRE DE GAZ EST 1/2 PLUS GRAND QUE (LIVRES PAR POUCE CARRÉ), UN RÉGULATEUR ADDITIONNEL DOIT ÊTRE INSTALLÉ AVANT LE BARBECUE. VOIR LA SECTION DE CONDITIONS D'OFFRE DE GAZ POUR LA PRESSION APPROPRIÉE D'OFFRE DE GAZ.
- Ne couvrez jamais la surface entière de cuisine ou de gril de gauffreuses ou de casseroles. La surchauffe se produira et les brûleurs ne seront pas très performants quand la chaleur de combustion est emprisonnée au-dessous de la surface à cuire.
- Ne pulvérisez jamais l'eau sur une unité chaude de gaz, comme ceci peut endommager des composants de porcelaine ou de fer de fonte.

**Avertissements de propane :**

- Une fuite de GPL peut causer un incendie ou une explosion si enflammée entraînant des blessures corporelles graves ou la mort.
- Communiquez avec le fournisseur de GPL pour les réparations ou pour disposer de la bouteille ou du GPL non utilisé.

# PARTS LIST

- | Item | Description  |
|------|--|
| 1.   | Stainless steel cooking grid, 16" x 11 1/2"                                      |
| or   | Porcelain steel rod, 16" x 11 1/2"   |
| or   | Porcelain cast iron 16" x 11 1/2"  |
| 2.   | Flavor grid 10" x 17" s.s.   |
| 3.   | Pair of burners, cast stainless steel  |
| 4.   | Shelf, rigid (2)   |
| 5.   | Burner, manifold assembly (2)  |
| 6.   | Valve manifold assembly  |
| 7.   | Pair of clips, burner hold down  |
| 8.   | Electrode assembly w/wiring (2)  |
| 9.   | Pair of air shutters, gas barbecue   |
| 10.  | Pair of springs, air shutter   |
| 11.  | Ignitor assembly   |
| 12.  | Knobs, Fire Magic barbecue (2)   |
| 13.  | Control panel, gourmet porcelain<br>or<br>Control panel, gourmet stainless steel |
| 14.  | Drip tray  |
| 15.  | Orifice, propane gas (2)<br>or<br>Orifice, natural gas (2)                       |
| 16.  | Oven assembly  |

Replacement parts can be ordered from your local Fire Magic dealer.

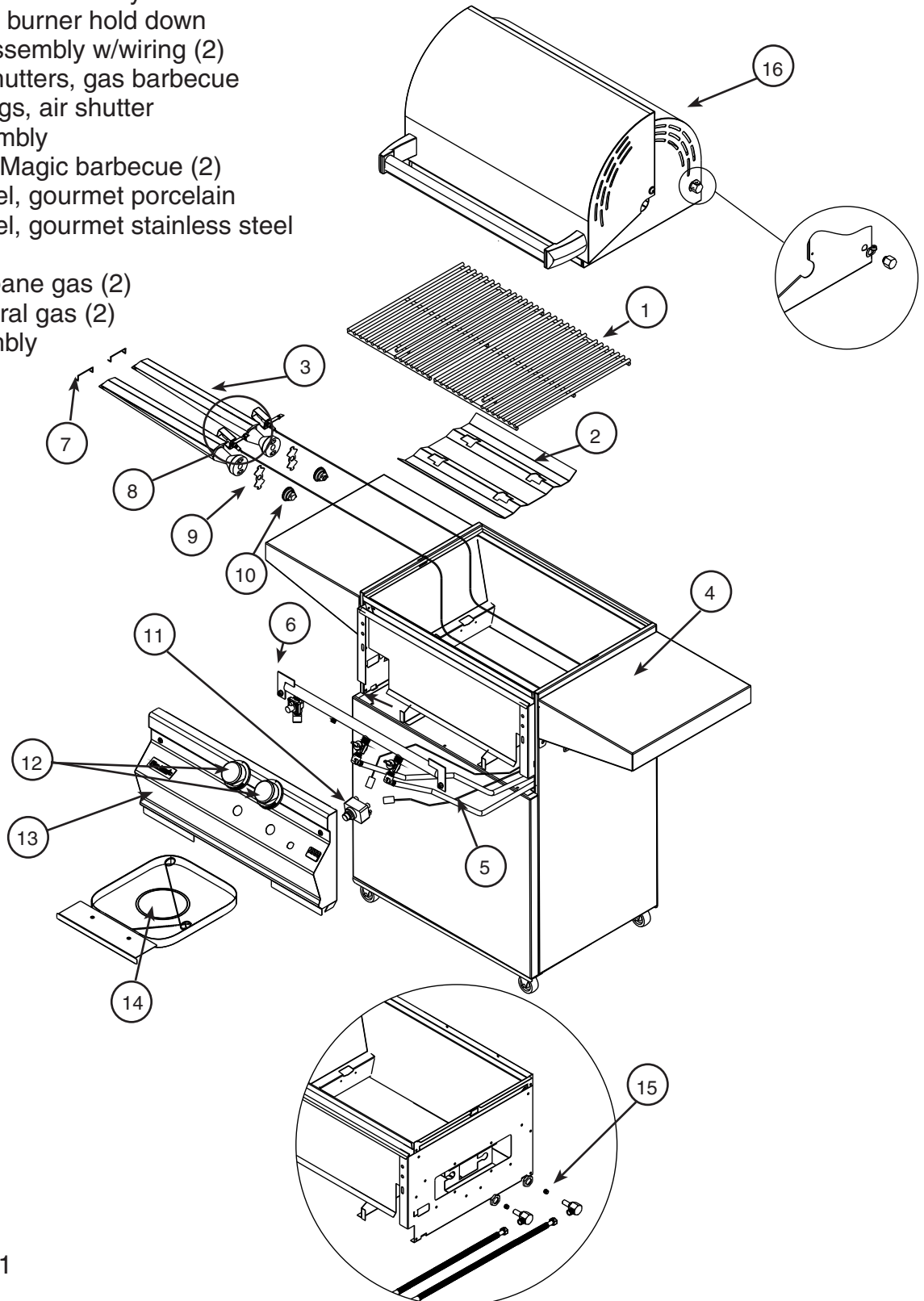


Fig. 5-1

## GRILL NOTES PAGE

Please use this page to record any information about your grill that you may want to have at hand.



# PLANNING THE LOCATION OF THE BARBECUE

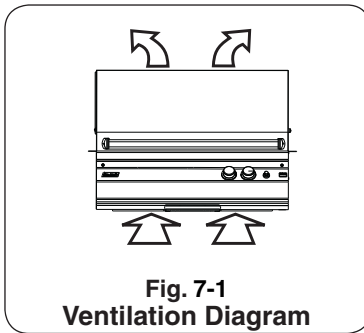
This barbecue is designed for outdoor use only. DO NOT use this unit under unprotected flammable surfaces. DO NOT use this appliance inside a building, garage, or any other unprotected covered area (see EXHAUST REMOVAL below). DO NOT use this barbecue in or on a recreational vehicle or boat.

**Important:** This unit is NOT insulated, and therefore the unit, when in operation, must be located with a minimum of 18" (45.7 cm) of side and back clearance from unprotected combustible materials such as wood, plastic, or stucco with wood framing.

## ENSURING PROPER COMBUSTION AIR AND COOLING AIR FLOW

You must maintain proper air flow for the barbecue to perform as it was designed (Fig. 7-1). If airflow is blocked, overheating and poor combustion will result. Do not block the 1" front air inlet along the bottom of the face or more than 75% of the cooking grid surface with objects such as pans or griddles.

**Note:** The 1" front air space allows access to the drip tray.



## ELECTRICAL OUTLETS

All electrical outlets in the vicinity of the barbecue must be properly grounded.

**Note:** Keep electrical supply cords away from all heated surfaces.

## EXHAUST REMOVAL

If installed or used under a patio roof, the cooking grid area must be fully covered by a chimney and exhaust hood. An exhaust fan with a rating of 1,000 CFM (cubic feet per minute) or more may be necessary to efficiently remove

smoke and other cooking by-products from the covered area. This barbecue shall not be used under unprotected overhead combustible construction. **THIS UNIT SHOULD NOT BE LOCATED IN A FULLY ENCLOSED AREA OF ANY KIND.**

**CAUTION:** Wind blowing into or across the rear oven lid vent (Fig. 7-2) can cause poor performance and/or dangerous overheating. Orient the grill so that the prevailing wind blows toward the front of the grill (Fig. 7-3).

**CAUTION:** To prevent dangerous overheating, the rear of the unit must have a minimum clearance of 4" from any backsplash/wall.

### INCORRECT

Rear oven lid vent



**YOU MUST PROTECT REAR OVEN VENT FROM PREVAILING WIND**

Fig. 7-2

### CORRECT



**PLACE GRILL SO PREVAILING WIND BLOWS TOWARD FRONT OF GRILL**

Fig. 7-3

# INSTALLATION

## GAS-SUPPLY PLUMBING REQUIREMENTS

For natural gas or a household propane system, rigid 1/2" (1.3 cm) or 3/4" (1.9 cm) black steel pipe or local code-approved pipe is required to conduct the gas supply to the unit. An outdoor-approved flexible connector can be used to connect the household gas supply to the barbecue. **DO NOT use a rubber hose within the barbecue enclosure.** Apply only joint compounds that are resistant to all gasses on all male pipe fittings. Make sure to tighten every joint securely.

**Note:** If 1/2" (1.3 cm) pipe is used with natural gas, it should be no longer than 20' (6.1 meters).

**Important:** An external valve (with a removable key) in the gas line is necessary for safety when the barbecue is not in use. It also provides for convenient maintenance.

Test all gas connections under pressure with a half-and-half soap and water solution. If bubbles appear, there is a leak. Turn off the gas and tighten the connections. Then turn on the gas and repeat the leak test. Repeat until no leaks are detected. **Never use an open flame to test for leaks.**

## GAS SUPPLY AND MANIFOLD PRESSURES

For natural gas - Normal 7" water column (w.c.), minimum 5" w.c., maximum 10 1/2" w.c.

For propane gas - Normal 11" w.c., minimum 8" w.c., maximum 13" w.c.

# 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

- Des cylindres et les valves de gaz de propane doivent être maintenus en bon état et doivent être remplacés s'il y a des dommages évidents au cylindre ou à la valve.
- Ce gril, une fois utilisé avec un cylindre, devrait être relié à un gallon de la norme 5 (20lb.) cylindre de gaz de propane équipé d'un OPD (remplissez au-dessus du niveau le dispositif d'empêchement). L'OPD a été exigé sur tous les cylindres vendus depuis octobre 1.1998 pour empêcher le remplissage excessif.
- Les dimensions de cylindre devraient être approximativement 12" (30.5cm) de diamètre et 18" (45.7cm) hauts. Des cylindres doivent être construits et marqués selon les caractéristiques pour des cylindres de gaz de propane du département des ETATS-UNIS du transport (D.O.T.) ou le niveau national du Canada, du CAN/CSA-B339, des cylindres, des sphères et des tubes pour le transport des marchandises dangereuses.
- 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.
- Le régulateur de pression et l'ensemble de tuyau (fig. 8-1) fourni avec cet appareil à cuire extérieur de gaz doivent être utilisés. Les régulateurs d'original et de pression de remplacement et les ensembles de tuyau doivent être ceux indiqués par le fabricant pour le raccordement avec un dispositif se reliant de cylindre identifié comme type I par la norme ANSI Z 21.58-2007/CGA 1.6-2007 avec la norme ANSI Z 21.58a -1998 d'addenda et CGA 1.6a - M98.
- 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 rapide de fil de point culminant.
- 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 RAPIDE

**Pour relier le régulateur/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. 8-1).

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

**ATTENTION:** Tournez toujours la valve principale de cylindre de propane au loin après chaque utilisation, et avant de déplacer le gril 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.

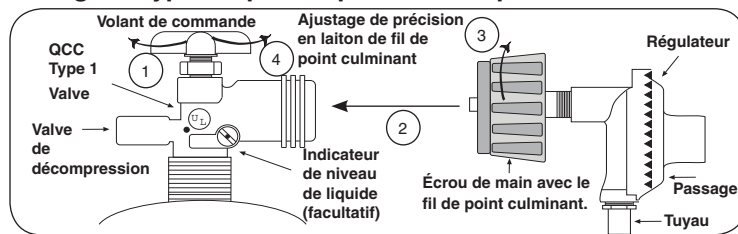
**Inspectez soigneusement** l'ensemble de tuyau chaque fois avant que le gaz soit allumé. Un tuyau criqué ou frangé devrait être remplacé immédiatement.

Si l'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 filettées étroitement installées, et ne doivent pas être stockés dans un bâtiment, le garage, ou n'importe quel autre secteur inclus.

#### POUR VOTRE SÛRETÉ

- Ne stockez pas un cylindre de gaz disponible de propane dessous ou ne vous approchez pas de cet appareil.
- Ne remplissez jamais cylindre au delà de 80 pour cent de plein.
- SI L'INFORMATION DANS "A" ET "B" N'EST PAS SUIVIE EXACTEMENT, UN FEU CAUSANT LA MORT OU DES DOMMAGES SÉRIEUX PEUT SE PRODUIRE.

**Fig. 8-1 type coupleur rapide 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 must be replaced if there is visible damage to either the cylinder or valve. If the hose is cut or shows excessive abrasion or wear, it must be replaced before using the gas 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 an OPD (Overfill Prevention Device). The OPD 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 *Specifications for Propane Gas Cylinders of the U.S. Department of Transportation (D.O.T.)* or the National Standard of Canada, *CAN/CSA-B339, Cylinders, Spheres, and Tubes for Transportation of Dangerous Goods*.
- 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. 9-1) supplied with this outdoor-cooking gas appliance 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 21.58-2005/CGA 1.6-2005* (see PARTS LIST for ordering information).
- f. The propane-gas cylinder valve must be equipped with a cylinder connection coupling device, described as Type I in the standard defined in paragraph e. above. This device is commonly described as an Acme thread quick 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.

## QUICK 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. 9-1).

**Important:** Before using the unit, and after each time the cylinder is removed and reattached, check the hose for wear (see a.) and check all connections for leaks. Turn off the unit valves and open the main cylinder valve, 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.

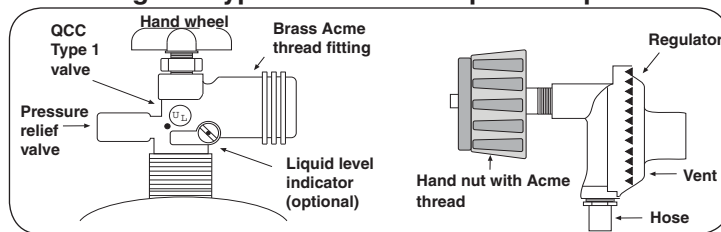
**Carefully** inspect the hose assembly each time before the gas is turned on. A cracked or frayed hose should be replaced immediately.

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.

**Fig. 9-1 Type I Acme thread quick coupler**



## CHECKING AND CONVERTING GAS TYPE

This unit comes from the factory configured for one type of gas, as marked on the label behind the control panel.

**Converting this unit to burn a different type of gas requires a conversion kit from the factory. The professional installer who converts this unit to burn a different gas must perform the following functions:**

1. Change brass gas orifices (included at original shipping) on each burner to match the new gas type (see PRODUCT DATA TABLE, Table 1).
2. Switch the convertible gas regulator (included at original shipping, located behind the control panel) to match the new gas type (see below).
3. Plumb the unit to the new gas supply.
4. Apply a new label behind the control panel, indicating the new gas the unit will burn (included with conversion kit).

### **WARNING**

**HAZARDOUS OVERHEATING WILL OCCUR IF A NATURAL-GAS ORIFICE IS USED WITH PROPANE GAS. IF YOU ARE NOT SURE IF THE CORRECT ORIFICES ARE INSTALLED, OR IF AN ORIFICE CHANGE IS NECESSARY, REFER TO THE FOLLOWING INSTRUCTIONS.**

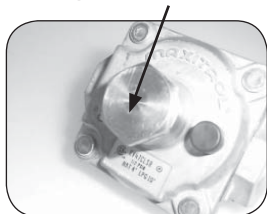
**CAUTION:** Make sure the unit is at a safe temperature and isolated from gas and electrical supplies before beginning the tasks outlined below.

**Note:** The cooler the unit, the greater the tolerances between the stainless-steel parts, and therefore the easier to disassemble and reassemble parts of the unit.

**CAUTION:** For your safety, exercise caution and use adequate hand protection (such as gloves) when handling potentially sharp sheet-metal parts.

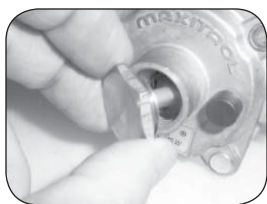
## CHECKING AND CONVERTING THE REGULATOR

Regulator: note the cap on top



**Note:** Each end of the plastic converter is engraved with either the letters "NAT" or "L.P." (propane) for the respective gasses. When the converter is in the cap and the cap is held uppermost, the letters seen indicate the gas that the regulator is set up for.

To convert the regulator from one gas to another, follow steps 1-4.



**STEP 1:** Unscrew and remove the cap from the regulator, extracting the converter.

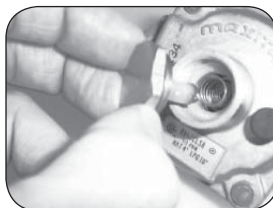


Read gas type here

**STEP 3:** Turn the converter around and replace it carefully, into the center of the cap (it will snap into place). Check that you can read the type of gas the unit is set for.



**STEP 2:** Remove the converter (the plastic stalk) by carefully pulling it away from the center of the cap (it will snap out of its seating).



**STEP 4:** Replace the unit into the regulator and screw down until snug.

### **WARNING**

THIS APPLIANCE REGULATOR IS RATED FOR 1/2 PSI MAXIMUM. IF YOUR GAS SUPPLY IS GREATER THAN 1/2 PSI, AN ADDITIONAL REGULATOR MUST BE INSTALLED TO REDUCE THE INPUT PRESSURE TO THE UNIT TO 1/2 PSI OR LESS. SEE GAS-SUPPLY REQUIREMENTS SECTION FOR PROPER GAS-SUPPLY PRESSURE.

# CHECKING/CONVERTING THE BURNER ORIFICES

## MAIN BURNER ORIFICE SIZE CHECKING/ CONVERSION

Before beginning, make sure you have the proper tools for the task.

This task requires:

- a Phillips-head screwdriver (2 pt)
- a deep  $\frac{3}{8}$ " nut driver with a spacer (#6 nut)

1. Remove both grills from over the main burners and set them aside.
2. Remove both flavor grids from above the main burners and set them aside.
3. Remove the air shutter access panel, located under the right side rigid shelf, using a Phillips-head screwdriver.
4. Release and remove the stainless steel clip, which holds down the back end of the burner, using a screwdriver. Retain the clip.

**Note:** Be sure not to lose the air shutter or air shutter spring, which will become detached when the burner is removed.

5. Remove the burner by lifting the back of the burner up off of the inner liner shelf while pulling the front of the burner away from the orifice. Set the burner aside.
6. Remove the orifice using a  $\frac{3}{8}$ " hex nut driver with a deep socket.

**Note:** The drill size is stamped on the face of each orifice.

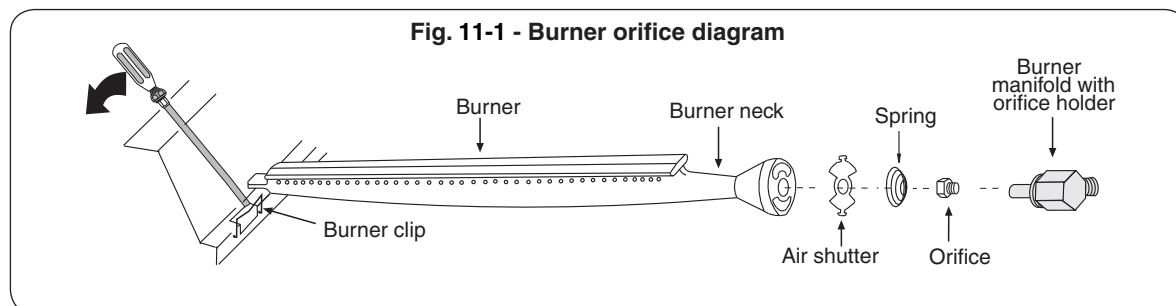
7. Replace the orifice with an orifice of the proper drill size as listed in the Product Data Table.
8. Replace the burner by first sliding the open end over the new orifice and then lowering the back end into position. The orifice must project deeply into the center of the burner tube.

**Note:** It is critical to the continued safe operation of the burner that it be properly aligned with the orifice, as indicated above.

9. Reinsert the stainless steel clip using fingers or pliers while holding down the back end of the burner.
10. Repeat steps 4-9 for the other main burner.
11. Replace the flavor grids and then the grills.

**Note:** The air shutter must be re-adjusted after removing the burner to assure proper combustion (see the MAIN BURNER AIR SHUTTER ADJUSTMENT section).

12. Re-install the air shutter access panel, making sure to securely fasten all four screws.



# AIR SHUTTER ADJUSTMENT

## MAIN BURNER AIR SHUTTER ADJUSTMENT

**Important:** The air shutters must be adjusted after installation. If not, this appliance may not light, heat evenly, or cook properly.

Main burner air shutters are easily accessed by removing the front panel (face). The air shutters are located at the front of the burners behind the face (see PARTS LIST). The air shutter has a small dimple (see Fig. 12-1) that allows it to lock into notches in the burner face. This prevents the air shutter from moving.

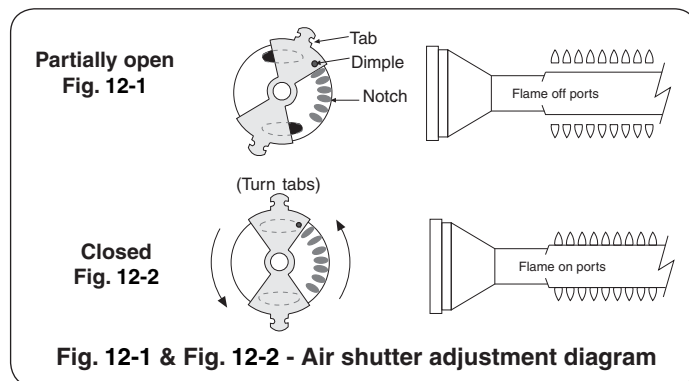
### **WARNING**

**USE PROPERLY INSULATED TOOLS TO MAKE THESE ADJUSTMENTS. NEVER TOUCH A HOT BARBECUE DIRECTLY TO MAKE ADJUSTMENTS.**

1. **Using the tip of a long screwdriver**, close the air shutters by turning the tabs to a vertical position (Fig. 12-2).
2. Light the barbecue in accordance with the LIGHTING INSTRUCTIONS and burn for two minutes with the knobs on **HI LIGHT** and the oven open.
3. After burning for two minutes, open the air shutters, **using the tip of a screwdriver**, until the flames lift off, or appear not to be touching the burners (Fig. 12-1).
4. Begin closing the air shutters, **with the tip of a screwdriver**, until the flames appear to burn while touching the burner ports (Fig. 12-2).

**Note:** You may then see short yellow tips on the flames. If flames are a lazy yellow, open the air shutters until the flame is blue with yellow tipping.

**Note:** Barbecues, in some installations, achieve a better air/gas mixture and will ignite more quickly if the valve is first turned beyond **HI LIGHT** to **LOW** for lighting.



# BARBECUE SAFETY INFORMATION & MAINTENANCE

## Each time you use the barbecue, make sure that:

1. The area around the barbecue is clear of flammable vapors, liquids, and substances such as gasoline, yard debris, wood, etc.
2. There is no blockage of the airflow through the vent space located below the face of the unit.
3. When using propane gas:
  - a. The special ventilation openings in the enclosure should be kept free and clear of debris (see **PLANNING THE LOCATION OF THE BARBECUE**).
  - b. If connected to a propane cylinder, the rubber hose attached to the regulator should be carefully inspected before each use.
  - c. The propane cylinder, regulator, and rubber hose should be installed in a location not subject to heating above 125° F (51° C).
4. The burner flames burn evenly along both sides of each burner with a steady flame, which is mostly blue. (Refer to section on **AIR SHUTTER ADJUSTMENT**.) A proper flame pattern will ensure safe operation and optimal performance. Adjust the air shutter as needed. If burner flames are not normal, check the orifice and burner for insects or insect nests.
5. The inline gas valve or gas cylinder valve is always shut **OFF** when the barbecue is not in use.
6. The drip collector hole is clear and unobstructed. Excessive grease deposits can result in a grease fire.
7. The barbecue is free and clear from combustible materials, gasoline, and other flammable vapors and liquids.

## DRIP COLLECTION SYSTEM

The drip collector in this barbecue is part of the unit's main frame and is located below the burners. The drip collector has slots that will allow excess drippings to fall through during cooking, while separating the firebox from the drip tray. Clean the drip tray after each use.

The drip collector allows you to brush or scrape residue from the barbecue's inner liner into the drip tray. Following the manufacturer's instructions and regular cleaning of the barbecue's interior with oven cleaner, will help to prevent grease fires.

Periodically check the burners to make sure they are clear of debris. Properly adjusted burner flames burn evenly along both sides of each burner with a steady flame (mostly blue). If burner flames are not normal, check the orifice and burner for insects or insect nests. (See section on **CHECKING/CONVERTING THE BURNER ORIFICES** for instructions on burner removal and replacement.)

Check the burner ports at least annually for blockage by removing the burner (see orifice changing instructions) and visually inspect the gas intake tube for insects and nests. A clogged tube can lead to a fire beneath the grill.

### **WARNING**

**NEVER cover the *entire* 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.**

**CAUTION:** NEVER spray water on a hot gas unit.



# ALLUMER DES INSTRUCTIONS (D'ALLUMAGE)

Lisez l'instruction entière avant que s'allumant et suivez ces instructions chaque fois vous lumière le barbecue.

## ÉCLAIRAGE ÉLECTRONIQUE

1. Ouvrez tous les couvercles et enlevez toutes les couvertures des brûleurs que vous souhaitez vous allumer.
2. Arrêtez tous les boutons de commande de gaz à leurs positions.
3. Allumez le gaz à sa source.

**Note:** Aucune matière que la méthode d'éclairage vous emploient, n'allument pas le gaz à plus d'un brûleur à la fois. Les brûleurs adjacents de barbecue croix-mettront à feu et l'écoulement de gaz peut être restreint.

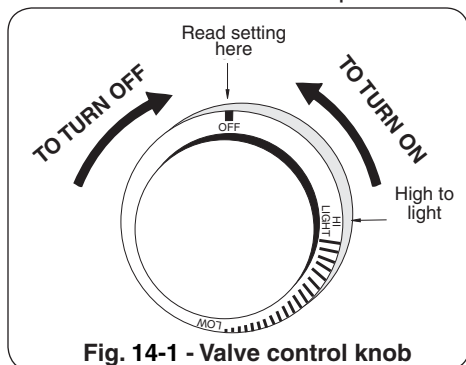


Fig. 14-1 - Valve control knob

**ATTENTION:** Si les brûleurs ne s'allument pas dans 5 secondes, enfoncez le bouton de commande et tournez le bouton à AU LOIN. ATTENDEZ 5 MINUTES avant de répéter l'étape 5. Si vous sentez le gaz suivez les instructions sur la couverture de ce manuel. Si les brûleurs ne s'allument toujours pas après que plusieurs tentatives, se rapportent aux instructions pour l'ÉCLAIRAGE MANUEL.

4. Enfoncez le bouton de commande pour que le brûleur soit allumé et tournez-le dans la position LÉGÈRE de HI, puis appuyez sur le bouton d'allumage. Une fois que le brûleur s'allume, libérez le bouton d'allumage.
5. Répétez l'étape 4 pour que chaque brûleur additionnel soit s'est allumé.

## POUR LE PROPANE SEULEMENT

Les réservoirs de propane sont équipés d'un dispositif d'arrêt de sûreté qui peut ne pas causer le bas ou aucun gaz pressure/flame aux brûleurs si le fonctionnement et allumer des instructions ne sont pas suivis exactement (voir la note importante dans la section de dépannage pour plus de détails.)



Fig. 14-3 - Éclairage manuel

**RAPPEL-VOUS:** POUR L'ÉCLAIRAGE MANUEL SÛR, PLACEZ Un ALLUMEUR BRÛLANT D'ALLUMETTE OU De BUTANE PRÈS Du BRÛLEUR - ALLUMEZ ALORS Le GAZ (voyez Fig. 14-3).

**Note:** Les barbecues dans quelques installations réalisent un meilleur mélange d'air/gas et mettront à feu plus rapidement si le bouton de commande de brûleur est d'abord tourné au delà de la LUMIÈRE de HI au BAS pour l'éclairage.

## ÉCLAIRAGE MANUEL

**ATTENTION:** Attendez toujours 5 minutes le gaz à l'espace libre après que n'importe quelle tentative non réussie d'éclairage.

1. Suivez les étapes 1 à 4 (à gauche).
2. Insérez un allumeur brûlant de butane de long-baril, une allumette brûlante de long-tige, ou une allumette brûlante tenue par un support de prolongation de fil (Fig. 14-2) par les grilles à cuire au brûleur (Fig. 14-3). Pour des backburners, tenez la flamme contre le matériel perforé du brûleur arrière. Pour des sideburners, tenez la flamme contre le brûleur.
3. Tout en tenant l'allumette ou la flamme plus légère à côté du brûleur, enfoncez le bouton de commande approprié de brûleur et tournez-le dans le sens contraire des aiguilles d'une montre dans la position LÉGÈRE de HI. Quand les lumières de brûleur, enlèvent l'allumeur ou s'assortissent.

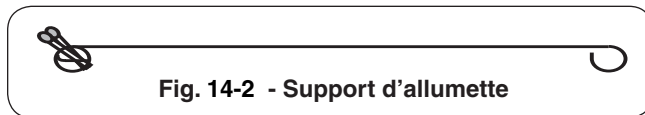


Fig. 14-2 - Support d'allumette

4. Si le brûleur ne s'allume pas, enfoncez **immédiatement** le bouton et tournez le bouton de commande de brûleur à AU LOIN. ATTENDEZ 5 MINUTES avant de répéter les étapes 2 à 4 des INSTRUCTIONS MANUELLES d'ÉCLAIRAGE.

## COUPER LE GRIL

Pour couper le gril, enfoncez chaque bouton de commande de valve et tournez-le dans le sens des aiguilles d'une montre à la position de repos.

Fermez toujours la valve à l'offre de gaz après chaque utilisation du barbecue.



# LIGHTING (IGNITION) INSTRUCTIONS

Read entire instructions before lighting, and follow these instructions each time you light the grill.

## ELECTRONIC LIGHTING

1. Open all lids and remove all covers from the burners you wish to light.
2. Turn all gas control knobs to their **OFF** positions.
3. Turn on the gas at its source.

**Note:** No matter which lighting method you use,

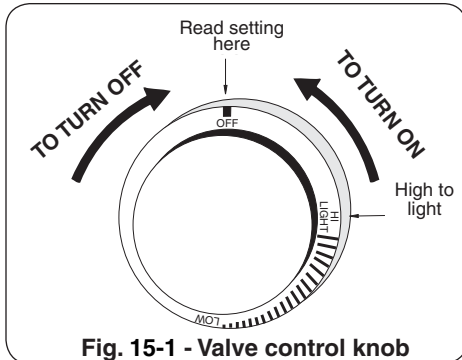


Fig. 15-1 - Valve control knob

**DO NOT** turn on the gas to more than one burner at a time. Adjacent grill burners will cross-ignite, and gas flow may be restricted.

**CAUTION:** If the burners do not light within five seconds, depress the control knob and turn the knob to **OFF**. **WAIT FIVE 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**.

4. Depress the control knob for the burner to be lit and turn it to the **HI LIGHT** position, then press the ignition button. Once the burner lights, release the ignition button.
5. Repeat step 4 for each additional burner to be lit.

## FOR PROPANE ONLY

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 minutes for gas to clear after any unsuccessful lighting attempt.

1. Follow steps 1 through 4 (left).
2. Insert either a burning long-barrel butane lighter, a burning long-stem match, or a burning match held by a wire extension holder (Fig. 15-2) through the cooking grids to the burner (Fig. 15-3). For backburners, hold the flame against the perforated material of the backburner. For sideburners, hold the flame against the burner.
3. While holding the match or lighter flame next to the burner, depress the appropriate burner control knob and turn it counterclockwise to the **HI LIGHT** position.

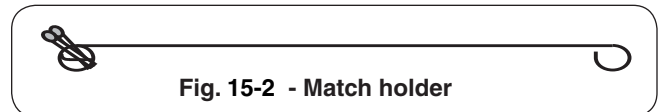


Fig. 15-2 - Match holder

When the burner lights, remove the lighter or match.

4. If the burner does not light, **IMMEDIATELY** depress the knob and turn the burner control knob to **OFF**. **WAIT FIVE MINUTES** before repeating steps 2 through 4 of the **MANUAL LIGHTING INSTRUCTIONS**.

**Note:** Some installations achieve a better air/gas mixture and may ignite quicker if the burner control knob is first turned beyond **HI LIGHT** to **LOW** for lighting.



Fig. 15-3 - Manual lighting

**REMEMBER:** FOR SAFE MANUAL LIGHTING, PLACE A BURNING MATCH OR BUTANE LIGHTER BESIDE THE BURNER - **THEN TURN ON THE GAS** (see Fig. 15-3).

## SHUTTING OFF THE GRILL

To shut off the grill, push in each valve control knob and turn it clockwise to the **OFF** position.

Always close the valve to the gas supply after each use of the grill.

## RIGID SHELF INSTALLATION

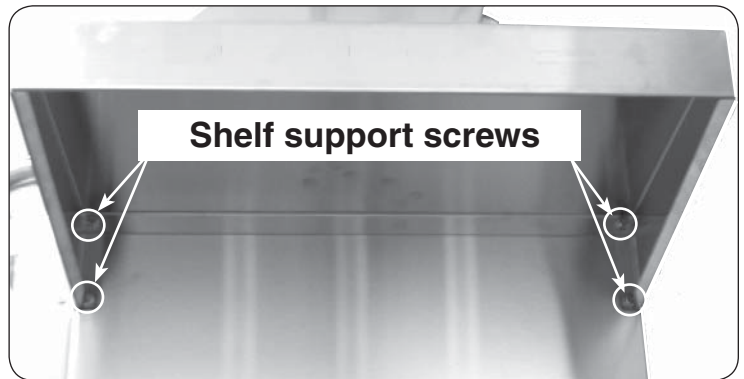
This barbecue comes with two (2) rigid shelves that must be attached. These can be attached using the four support screws provided and a Phillips-head screw driver.

1. Hold the shelf inverted so that one of the corner holes in the shelf lines up with the appropriate upper screw hole in the barbecue.
2. Insert the screw, but do not tighten all the way so that the shelf can be easily rotated around the first screw.
3. Line up the second corner hole in the shelf with the remaining upper screw hole in the barbecue. Insert a screw and tighten.

**Note:** You may lift the edge of the shelf upward to gain better access during much of the tightening of this screw.

4. Finally, insert the bottom screws on the left and right side of the shelf and securely tighten all screws.

To detach, reverse the process above.



View from under right shelf

## THE GRILL BRUSH (OPTIONAL)

Purchase a Fire Magic® stainless-steel grill brush (sold separately) to keep your grill cleaner. It comes with scraper for large particles and a replaceable head with brass bristles for overall cleaning.



Fig. 17-1

Grill brush with replacement head

## THE WARMING RACK (if equipped)

The warming rack (Fig. 17-2) is packed separately.

To install the warming rack, lift the front of the rack up slightly and insert the rack hangers into the two holes in the back of the inner oven hood just above the backburner. Then lower the front of the rack into a level position to lock the rack in place.

To remove the warming rack, lift up on the front of the rack until the rack hangers pull free from their supporting holes.

**Note:** Removing the warming rack before using the rotisserie will leave more clearance for the meat being cooked.

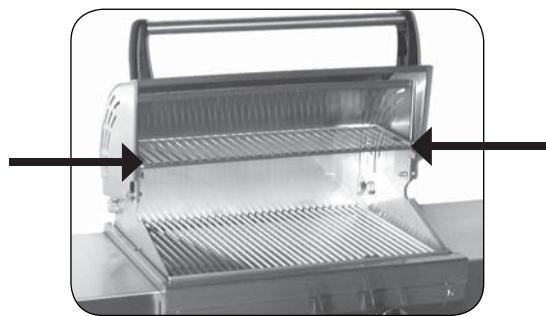


Fig. 17-2 Warming rack in place inside oven

## THE COOKING GRID LIFTER

Hold the grid lifter by gripping the center section with the prongs pointing down (use an oven mitt or heavy glove if the grill is hot). Insert the notched end of the grid lifter into the cooking grid, in front of the midway point (front to back; Fig. 17-3), and central (left to right; Fig. 17-4). Twist the grill lifter (clockwise or counterclockwise) so the handle is parallel to the grill rods. This “seats” the spiked end of the grid lifter between two rods, enabling you to safely lift out the grid. Lift slowly and adjust the grid lifter, if necessary, for balance.

## THE DRIP TRAY

The drip collection system allows you to brush or scrape excess dried residue from the grilling area directly into the drip tray (see PARTS LIST for drip tray location). To simplify cleanup when using the rotisserie, you may place a baking pan or foil under the rotisserie on top of the burners to collect the drippings. Clean the drip tray after each use.



Fig. 17-3

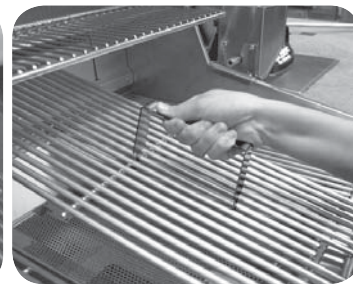


Fig. 17-4

Placement of the grid lifter in cooking grid

## THE FLAVOR GRID(S)

Place each flavor grid directly over a burner or burner pair. Center each grid over the burner, oriented as shown in Fig. 17-5.

**Note:** This allows heat from the burners to be evenly distributed throughout the cooking area. The flavor grids heat and cool quickly, making the grill very responsive to changes in heat from the burners.



Fig. 17-5

### CARE AND CLEANING

APPLIANCE MUST BE COMPLETELY COOL WHEN CLEANING. DO NOT SPRAY ANY CLEANER OR LIQUIDS ON THE APPLIANCE WHEN HOT.

Stainless steel surfaces when exposed to temperatures produced by the grilling process will change color. The stainless steel will change color from silver to brown and blue. This can be removed by using Fire Magic Stainless Steel Cleaner (3581-1).

Clean your appliance by first using Fire Magic Barbecue and Grill Cleaner (part #3580-1) to remove grease and dirt. Always wipe with the grain (See Fig. 18-1). Next, use Fire Magic Stainless Steel Cleaner (3581-1) to restore the stainless steel color (Note: not for mirror finish). Finish by wiping your appliance down using Fire Magic Polish Wipes (3586-1). **To clean the mirror panel (if applicable), use a quality brand glass cleaner only, not any of the cleaners mentioned above.**

Clean your appliance at least once a month.

If your appliance is installed in a seaside (salt air) or poolside (chlorine) location, it will be more susceptible to corrosion and must be maintained/cleaned more frequently. Do not store chemicals (such as chlorine or fertilizer) near your stainless steel appliance.

Due to the nature of stainless steel, surface iron oxide deposits may appear. Do not be alarmed – these deposits are removable with stainless-steel cleaner through prompt and periodic maintenance. If not attended to promptly, permanent pitting may occur.

Check and clean the burner ports and burner carry-over slits for blockage at least annually by removing the burner (see orifice changing instructions) and visually inspecting the burner inlet for insects and nests. A clogged burner can lead to a fire in the bottom of the appliance. (For Fire Magic grills use Maintenance Kit part #MK-1.)

The inside of the appliance may be cleaned periodically with oven cleaner if desired. Follow the oven cleaner instructions for proper use.

Be careful not to get oven cleaner on the outside surface of the appliance as it can permanently damage the finish.

By following these recommendations, you will enjoy the beauty and convenience of your appliance for many years to come.

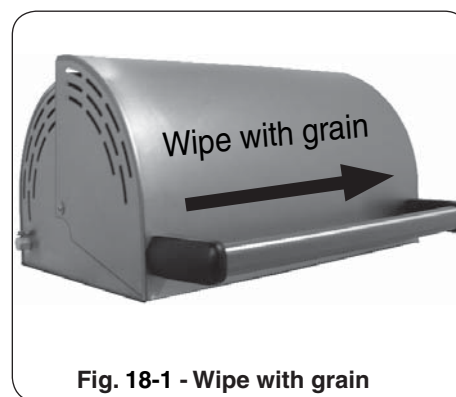


Fig. 18-1 - Wipe with grain

### PROTECTING YOUR APPLIANCE FROM THE WEATHER

An optional heavy-duty cover will protect your appliance's finish and protect your investment. The water repellent cover will protect your appliance from the weather. Always cover your appliance when not in use. (Allow to cool before covering.)

Please specify the model number and serial number of your appliance when ordering a cover.

### IMPORTANT

**IN THE EVENT OF A GREASE FIRE, IMMEDIATELY SHUT OFF THE MAIN GAS VALVE TO THE GRILL. KEEP THE LID OPEN AND ALLOW THE FIRE TO EXTINGUISH ITSELF. A THOROUGH INSPECTION BY A TRAINED SERVICE TECHNICIAN SHOULD BE CONDUCTED BEFORE FUTURE USE OF YOUR GRILL. 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.**



## REPLACING THE IGNITOR BATTERY

1. Remove the ignitor cover by turning it counterclockwise.



**Important:** Do not attempt to pull or turn the rubber cap.



2. Remove battery for replacement. The battery is reinstalled with the negative (-) end out.



3. After properly inserting the battery, replace the ignitor cover by turning the cap clockwise.



**Note:** If you have accidentally removed the rubber cap, follow the instructions below to replace it.

1. Pull the rubber cap and the inner plastic sleeve apart.  
 2. Carefully insert the rubber cap into over and slide the plastic sleeve the ignitor cover so inner plastic sleeve it sits behind inner into the cap.  
 3. Turn the cap lip.



## TROUBLESHOOTING

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.

PROBLEM	POSSIBLE CAUSE	CORRECTION
<b>Ignition system failure</b>	1) Improper air shutter adjustment	1) Adjust air shutters.
	2) Ignition wire disconnected	2) Replug wires into generator.
	3) Low gas pressure	3) Have gas company check the operating pressure at the unit.
	4) Dead battery	4) Replace battery.
<b>Insufficient heat</b>	1) Improper air shutter adjustment	1) Adjust air shutters.
	2) Using propane orifice for natural gas	2) Change orifices.
	3) Low gas pressure/flame (natural)	3) Have gas company check the operating pressure at the unit.
	4) Low gas pressure/flame (propane)	4) Refill propane tank, or reset propane tank safety*: Shut off all valves (including propane tank) and follow lighting instructions exactly.
<b>Uneven heating</b>	1) Burner ports partially blocked by debris	1) Remove burners and clean out ports.
	2) Small spiders or insects in burner	2) Inspect burners for spider webs or other debris that may block gas flow.
<b>Burner goes out on LOW</b>	1) Valve "Low" setting needs adjustment	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" in height from burner ports.

**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. If you suspect the propane tank safety shutoff is in effect, shut off all burner control valves and the propane tank valve. Then read and follow the LIGHTING INSTRUCTIONS exactly. Lighting instructions are located in the owner's manual. If the problem persists, continue troubleshooting, or contact your local dealer or distributor for assistance.

# WARRANTY

**LIFETIME WARRANTY** - Fire Magic® cast stainless-steel burners, stainless-steel rod cooking grids, and stainless-steel housings are warranted for as long as you own your Fire Magic® grill.

**FIFTEEN-YEAR WARRANTY** - Fire Magic® cast brass burners, brass valves, backburner assemblies (except ignition parts), and manifold assemblies are warranted for 15 years from the date of purchase of your Fire Magic® grill.

**THREE-YEAR WARRANTY** - Fire Magic® sideburners and all other Fire Magic® grill components (except ignition and electronic parts) are warranted for three (3) years from the date of purchase of your Fire Magic® grill.

Fire Magic® ignition systems (excluding batteries), electronic components (including lights and thermometers), and accessories are warranted for one (1) year from date of purchase.

**PLEASE KEEP A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE**

This warranty applies to the original purchaser and to single family residential use only. It commences from date of purchase, and is valid only with proof of purchase.

This warranty does not cover parts becoming defective through misuse, accidental damage, electrical damage, improper handling, storage, and/or installation. Product must be installed (and gas must be connected) as specified in the instructions or operator's manual, by a **qualified professional installer**. Accessories, parts, valves, remotes, etc., when used must be Peterson Co. product.

This warranty **does not** apply to rust, corrosion, oxidation, or discoloration, unless the affected component becomes inoperable. It **does not** cover labor or labor-related charges.

This warranty specifically excludes liability for **indirect, incidental**, or consequential damages. Some states 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 may vary from state to state.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

**TO REGISTER YOUR PRODUCT ONLINE GO TO: [WWW.RHPETERSON.COM](http://WWW.RHPETERSON.COM),  
AND CLICK ON PRODUCT REGISTRATION. THANK YOU FOR YOUR PURCHASE.**

<b>Quality Check</b>			<b>Date:</b> _____		
<b>Burner Orifices</b>	Nat.	L.P.	<b>Leak Test:</b> _____	<b>Model#:</b> _____	
<b>Main:</b>	_____	_____	<b>Burn Test:</b> _____	<b>Serial#:</b> _____	
<b>Other:</b>	_____	_____	<b>Gas Type:</b> <u>Nat. / L.P.</u>	<b>Air Shutter:</b> _____	
				<b>Inspector:</b> _____	