

# FIREMAGIC® ECHELON

DIAMOND "A" SERIES

# Built-in Outdoor Gas Grill Quick Start Guide

**CAUTION: For your safety read the installation instructions and owner's manual provided with the grill.**

## 1-Safety

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

This grill 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 ½ psig. This appliance must be isolated from the gas-supply piping system by closing its dedicated manual shutoff valve during any pressure testing of the gas-supply system at pressures up to and including ½ psig.

**WHEN INSTALLING THE UNIT FOR USE WITH PROPANE (L.P.) GAS, YOU MUST BE AWARE OF THE ENCLOSURE REQUIREMENTS AND YOU MUST VENT THE UNIT IN ACCORDANCE TO YOUR OWNER'S MANUAL. FAILURE TO DO SO MAY LEAD TO PROPERTY DAMAGE OR BODILY INJURY, INCLUDING DEATH.**

This grill is designed for outdoor use only. DO NOT use this grill inside a building, garage, or enclosed area (see paragraph below). DO NOT use this grill in or on a recreational vehicle or boat.

**Important:** If installing this grill in a COMBUSTIBLE enclosure, the correct RHP insulating liner must be used. Consult the liner instructions for cut-out dimensions and installation.

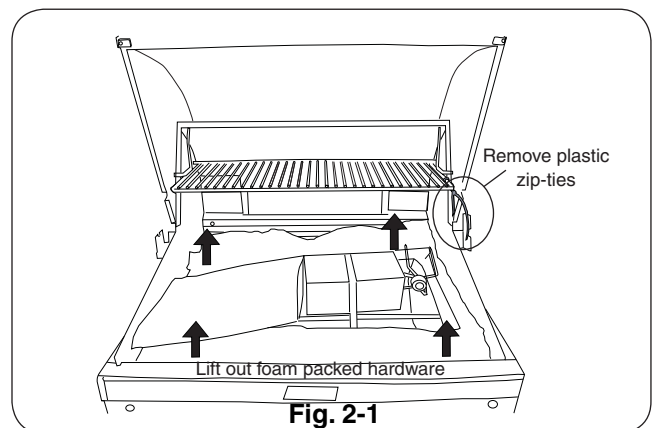
A minimum 5 foot clearance is required between the countertop and the overhead construction. When installed under combustible overhead construction, the area above the cooking surface of the grill **must** be covered with an exhaust hood. The exhaust hood provides the protection for the combustible overhead construction. **DO NOT use this appliance under unprotected combustible overhead construction.** When installed under overhead non-combustible construction, an exhaust hood is highly recommended. **When using an exhaust hood:** the area above the cooking surface of the grill must be covered with a hood larger than the cooking area of the grill, and with a minimum of 1200 CFM (cubic feet per minute) for proper outdoor application.

**Installation must be performed by a qualified professional service technician.**

## 2-Unpacking

Carefully unpack the grill, removing all packing material and protective film. Verify that all parts have arrived undamaged by consulting the parts list in the owner's manual. Remove foam packed hardware from oven area. (See Fig. 2-1.)

Consult the parts list in the owner's manual. If any parts are missing or damaged, immediately contact the Fire Magic dealer before beginning installation.



## 3-Installation

### Location

Refer to the INSTALLATION REQUIREMENTS section of your grill owner's manual for complete details.

**CAUTION:** Wind blowing into or across the rear oven lid vent (Fig. 3-1) can cause poor performance and/or dangerous overheating. Orient the grill so that the prevailing wind blows toward the front of the grill (Fig. 3-2).

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

### INCORRECT

Rear oven lid vent



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

Fig. 3-1

### CORRECT



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

Fig. 3-2

## Connect Gas supply

These quick start instructions assume a **natural gas or household propane** configured unit. **See main instructions for propane cylinder units.**

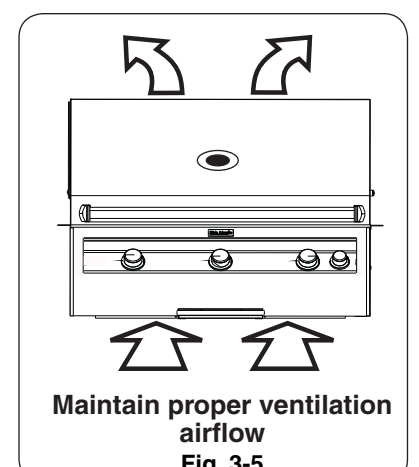
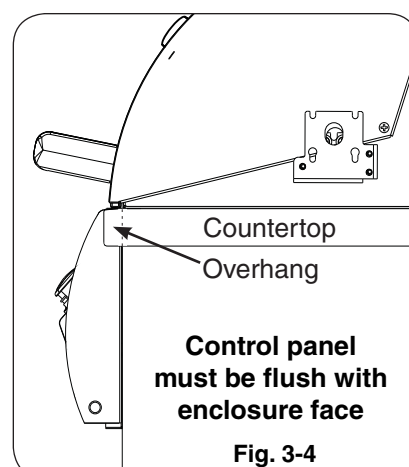
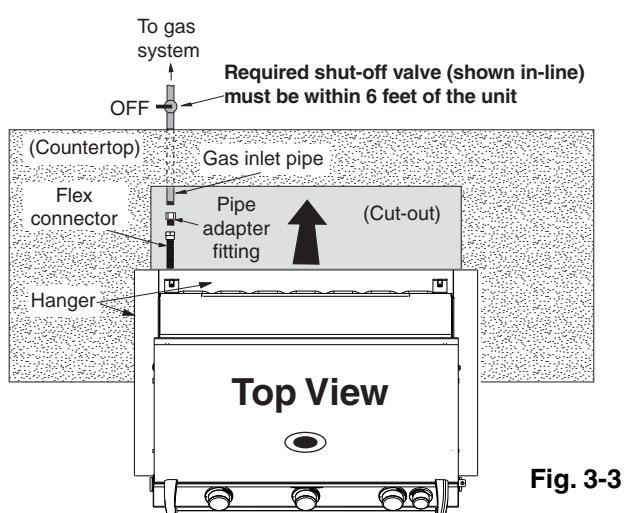
**Note:** This section is only an overview of installation to the gas supply. Refer to the grill owner's manual for complete grill installation details.

Run the attached flex connector routed under the left side of the grill to the gas stub. **Turn OFF the gas supply at the source.** Then connect the flex connector to the gas supply (Fig. 3-3). Use a pipe joint compound resistant to all gasses on all male fittings except flare fittings.

Turn all burner control knobs to the **OFF** position. Turn the gas supply on. Then carefully check all gas connections for leaks with a brush and half-soap/half-water solution before lighting. **NEVER USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.**

The control panel must be flush with the enclosure face as shown in Fig. 3-4.

Proper grill airflow must be maintained as shown in Fig. 3-5. Do not block. **It is not necessary to remove the control panel or knobs for installation.**



**Note:** For infrared burner equipped grills, see detailed instructions included in your owner's manual.

## 4-Grill Setup

### Parts Placement Checklist

Place the following items according to their position and orientation in Fig. 4-1:

Flavor grids, cooking grids, heat zone dividers, backburner cover, warming rack, and meat probe.

Leave pre-installed E-burners in place to maintain proper alignment.

### Backburner Cover

Hook the backburner cover over the top of the backburner to protect the backburner from grease, dust and dirt when it is not in use. Remove cover before use.

### Warming Rack

The warming rack comes pre-installed. Remove zip ties before use. Consult the owner's manual to remove or replace.

### Charcoal / Smoker Drawer

The basket is for use directly above a main burner. Consult the owner's manual for complete installation and operation.

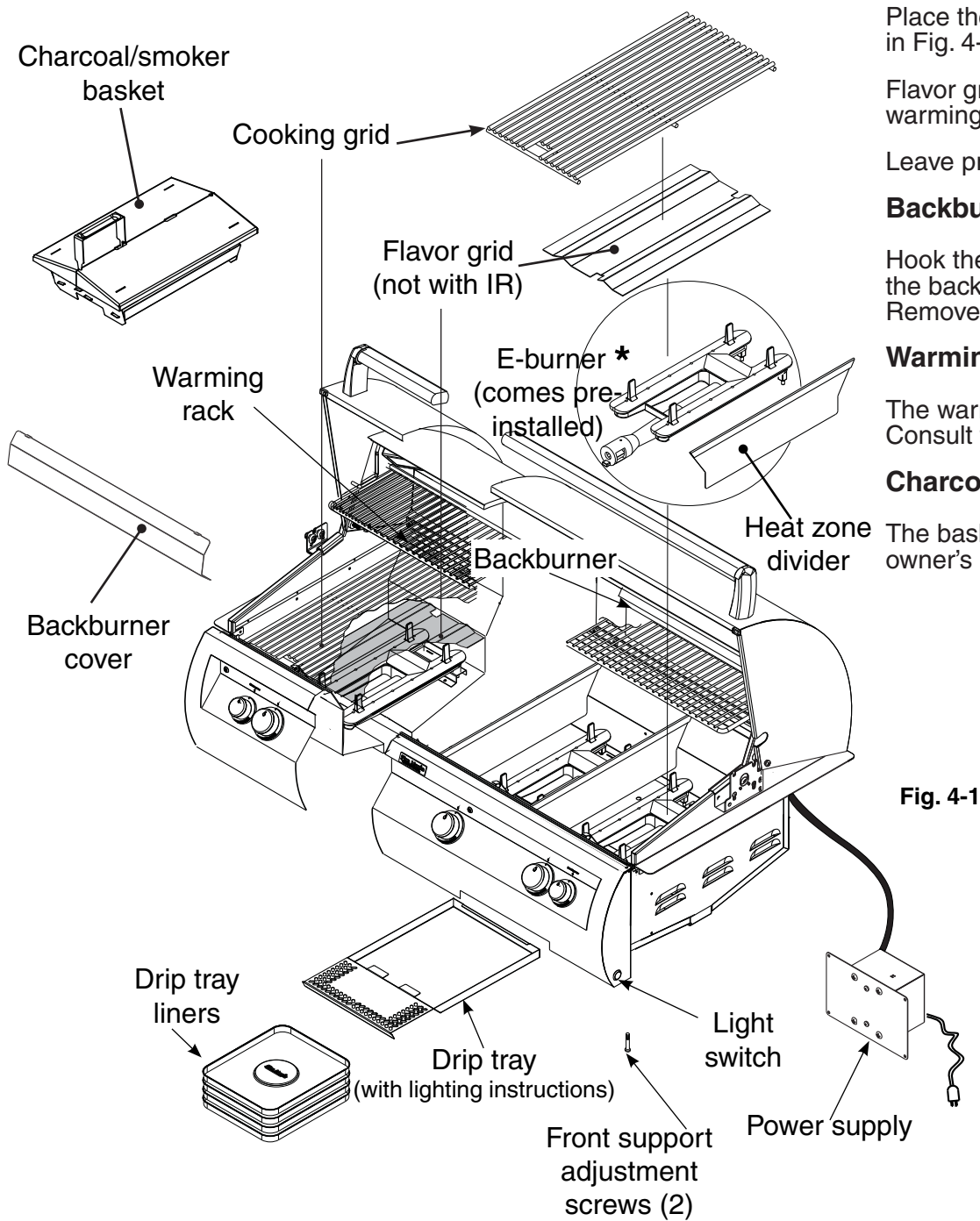


Fig. 4-1

**\* The burner ports and carry-over slots must be kept clean to ensure proper ignition and operation.**

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

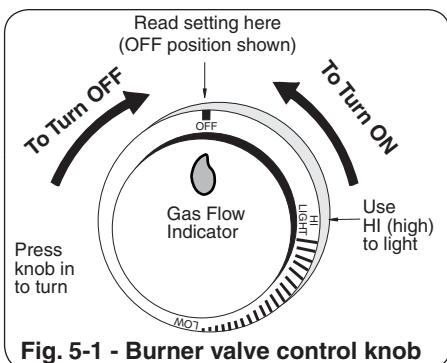


Fig. 5-1 - Burner valve control knob

**For your convenience and safety; when the control knob is in the ON position, the gas flow indicator will change from blue to red. (Red indicates gas flow.) See Fig. 5-1.**

**WHEN OPERATING THIS APPLIANCE WITH PROPANE, ALL INSTRUCTIONS AND WARNINGS MUST BE OBSERVED. FAILURE TO DO SO MAY RESULT IN A FIRE OR EXPLOSION CAUSING SERIOUS INJURY OR DEATH.**

The light switch is push button operated, and is located on the right side of the control panel (see Fig. 5-2). It controls the power to all lights.

## 5-Test

**Note:** This unit must be connected to 120VAC power for electronic 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**, then, while pressing turn it 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 the grill owner's manual. If the burners still do not light after several attempts, refer to the grill owner's manual for manual lighting.

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

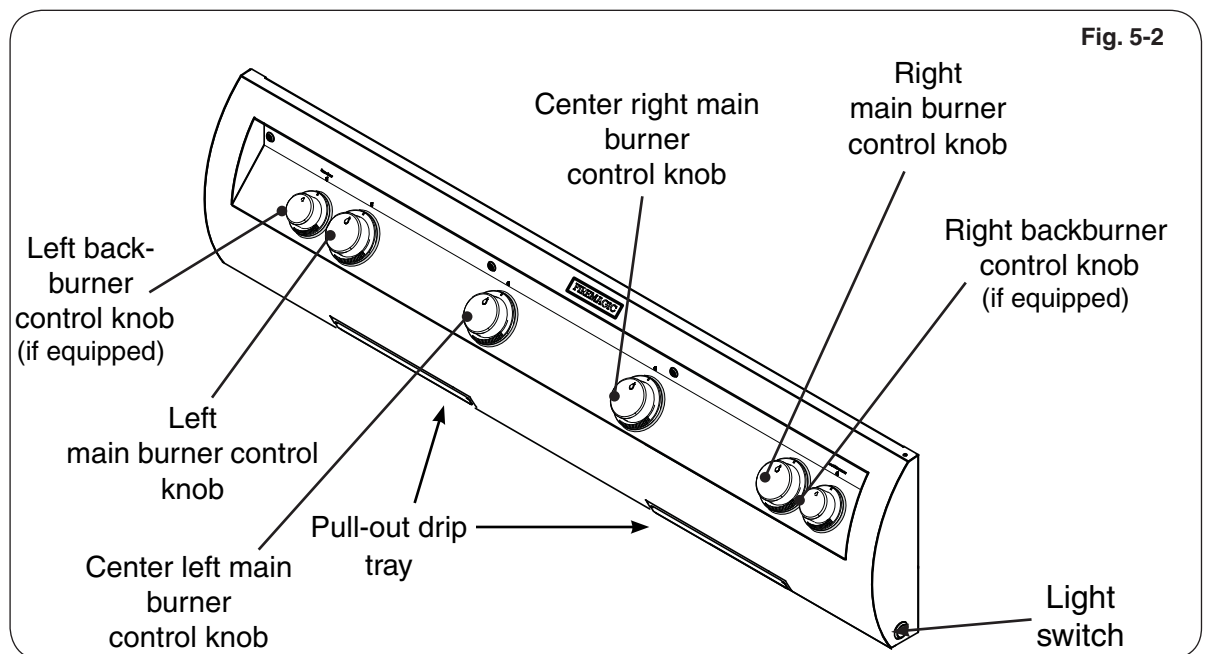


Fig. 5-2

## 6-Propane Safety

**FOR PROPANE CONFIGURATIONS; READ ALL SAFETY INSTRUCTIONS AND WARNINGS REGARDING THE USE OF PROPANE GAS FOUND IN YOUR OWNER'S MANUAL.**