

Installation Requirements

Tools and Parts

Gather these required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools needed

- Phillip screwdriver
- Wrench or pliers
- Pipe wrench
- Scissors or cutting pliers (to remove tie-downs)
- Noncorrosive leak-detection solution

Parts Supplied

- Gas pressure regulator/hose assembly set for 11" WCP LP gas
- Side shelf, left
- Side burner assembly
- "AA" Battery (1)
- Warming rack
- Cooking grids with hole
- Main burner grease tray
- Sear burner grease tray
- Flame tamers
- Natural gas orifice for sear burner, side burner and rear burner

Parts Needed

- 20 lb LP gas fuel tank-approximately 18" (45.7cm) height.

Parts Needed for Conversion to Natural Gas

- Natural gas conversion kit Part Number 710-0003. See "Assistance" section to order. The conversion kit includes:
 - Natural gas regulator 4" W.C. (marked "Natural Gas Regulator")
 - 10 ft (3.0 m) Natural gas hose with quick connector
 - 5.9" (150 mm) Natural gas regulator hose
 - 6 mm nut driver
 - 6 mm wrench
 - Hex key
- Gas line shutoff valve
- 1/2" male pipe thread nipple for connection to pressure regulator.
- LP gas-resistant pipe-joint compound
- CSA design-certified outdoor flexible stainless steel appliance connector (4-5 ft [1.2-1.5 m]) or rigid gas supply line as needed.

Location Requirements

⚠ WARNING



Explosion Hazard

Do not store fuel tank in a garage or indoors.

Do not store grill with fuel tank in a garage or indoors.

Failure to follow these instructions can result in death, explosion, or fire.

⚠ WARNING



Fire Hazard

Do not use grill near combustible materials.

Do not store combustible materials near grill.

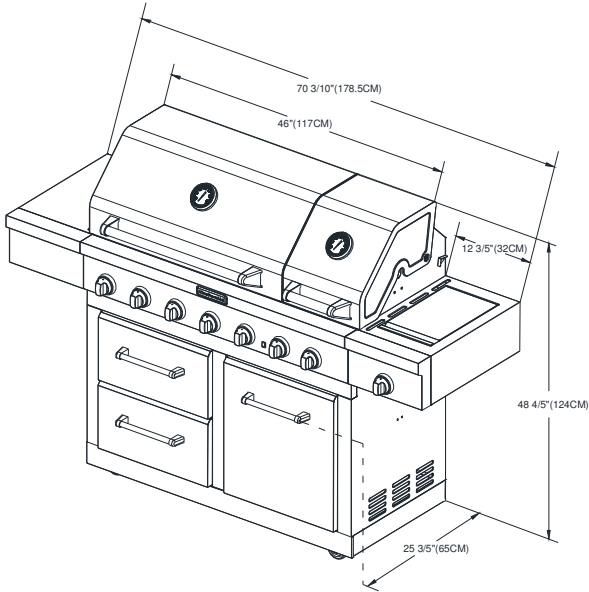
Doing so can result in death or fire.

Select a location that provides minimum exposure to wind and traffic paths. The location should be away from strong draft areas.

Do not obstruct flow of combustion and ventilation air. Clearance to combustible construction for grill:

- A minimum of 24" (61 cm) must be maintained between the front of the grill hood, sides and back of the grill and any combustible construction.
- A 24" (61 cm) minimum clearance must also be maintained below the cooking surface, and the grill shall not be used under overhead combustible construction.

Product Dimension



Electrical Requirements

⚠ WARNING

Electrical Shock Hazard

Use only a UL listed, 14 gauge, 3 wire extension cord approved for outdoor use, marked W-A, with a maximum length of 50 ft.

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Failure to follow these instructions can result in death, fire, or electrical shock.

Electrical Requirements

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

Check with a qualified electrician if you are not sure whether the grill is properly grounded.

A 120-volt, 60-Hz, AC-only, 15-amp, fused electrical supply is required.

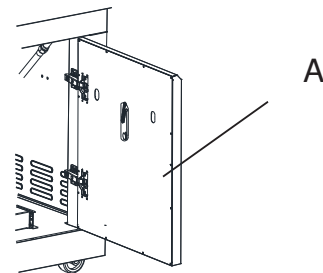
It is recommended that a separate circuit servicing only this grill be provided.

- To avoid electrical 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 attaching or taking off parts.
- Do not operate any outdoor cooking gas appliance with a damaged cord, damaged 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 appliance for purposes other than intended.
- When connecting, first connect plug to the outdoor cooking gas appliance then plug appliance into the outlet.
- Use only a Ground Fault Interrupter (GFI) protected circuit with this outdoor cooking gas appliance.
- Do not remove the ground prong or use with an adapter of 2 prongs.
- Use 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 model/serial number rating plate is located on the inside of the left cabinet door. See the following illustration.

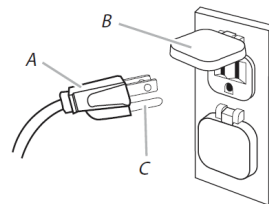
A. Model/Serial number plate



Recommended Ground Method

The outdoor grill, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes with the National Electrical Code ANSI/NFPA 70, or Canadian Electrical Code, CSA C22.1.

Copies of the standards listed above may be obtained from:
 CSA International
 8501 East Pleasant Valley Rd.
 Cleveland, Ohio 44131-5575
 National Fire Protection Association
 One Batterymarch Park
 Quincy, Massachusetts 02269



A. 3-prong ground plug
 B. 3-prong polarized type outdoor GFI outlet
 C. Ground prong

Gas Supply Requirements

⚠ WARNING



Explosion Hazard

Use a new CSA International approved “outdoor” gas supply line.

Install a shut-off valve.

Securely tighten all gas connections.

If connected to LP, have a qualified person make sure gas pressure does not exceed 14” (36 cm) water column.

Examples of a qualified person include:

**licensed heating personnel,
authorized gas company personnel, and
authorized service personnel.**

Failure to do so can result in death, explosion, or fire.

Observe all governing codes and ordinances.

IMPORTANT: This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with either the National Fuel Gas Code, ANSI Z223.1/NFPA54, Natural Gas and Propane Installation Code, CSA B149.1, Propane Storage And Handling Code, B149.2, or the Standard for Recreational Vehicles, ANSI A119.2/NFPA 1192 and CSA Z240 RV Series Recreational Vehicle Code as applicable.

IMPORTANT: Grill must be connected to a regulated gas supply. Refer to the model/serial rating plate for information on the type of gas that can be used. If this information does not agree with the type of gas available, check with your local gas supplier.

Gas Conversion:

No attempt shall be made to convert the grill from the gas specified on the model/serial rating plate for use with a different gas type without consulting the serving gas supplier. The conversion kit supplied with grill must be used. See “Gas Conversions” section for instructions.

Gas Pressure Regulator

The gas pressure regulator supplied with this grill must be used. The inlet (supply) pressure to the regulator should be as follows for proper operation:

LP Gas:

Operating pressure: 11" (27.9 cm) WCP

Inlet (supply) pressure: 11" to 14" (27.9 cm to 35.5 cm) WCP

Natural Gas:

Operating pressure: 4" (10.2 cm) WCP

Inlet (supply) pressure: 7" to 14" (17.8 cm to 35.5 cm) WCP maximum.

Contact local gas supplier if you are not sure about the inlet (supply) pressure.

Burner Requirements for High Altitude

Input ratings shown on the model/serial rating plate are for elevations up to 2,000 ft (609.6 m). For elevations above 2,000 ft (609.6 m), ratings are reduced at a rate of 4% for each 1,000 ft (304.8 m) above sea level. Orifice conversion is required. See "Assistance" section to order.

Gas Supply Line Pressure Testing

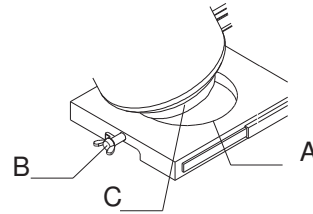
Testing above 1/2 psi (3.5 kPa) or 14" (35.5 cm) WCP (gauge):

The grill and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2 psi (3.5 kPa).

Testing below 1/2 psi (3.5 kPa) or 14" (35.5 cm) WCP (gauge) or lower:

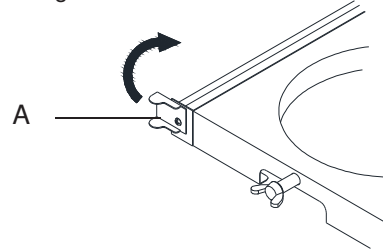
The grill must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

- Place the 20 lb LP gas fuel tank bottom collar into the mounting hole in the tank tray.
- Tighten the locking screw against the bottom collar of the Natural Gas Conversion 20 lb LP gas fuel tank to secure.



A. Locking screw
B. Mounting hole
C. Bottom collar

- Slide the drawer with the 20 lb LP gas fuel tank back into the cabinet. Turn the tank tray locking bracket clockwise 90° to tighten.



A. Tank tray locking bracket

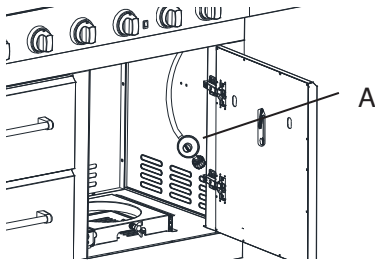
Gas Connection Requirements

20 lb LP Gas Fuel Tank

This grill is equipped for use with a 20 lb LP gas fuel tank (fuel tank not supplied). A gas pressure regulator/hose assembly is supplied.

Any brand of 20 lb LP gas fuel tank is acceptable for use with the grill, provided that it is compatible with the grill's retention means (tank tray included).

It is also design-certified by CSA International for local LP gas supply or for Natural gas with appropriate conversion.

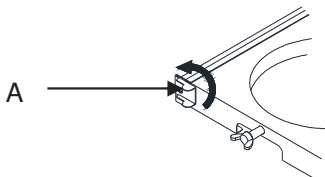


A. Gas pressure regulator/hose assembly

The 20 lb LP gas fuel tank must be mounted and secured.

Door style Tank Tray

- Open cabinet doors.
- Slide the tank tray locking bracket counterclockwise 90° and pull out the tray.



A. Tank tray locking bracket

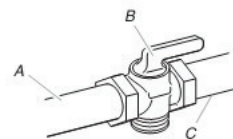
Natural Gas Conversion

The qualified Natural gas technician shall provide the Natural gas supply to the selected grill location in accordance with the National Fuel Gas Code ANSI Z223.1/NFPA 54 - latest edition, and local codes. For conversion to Natural gas, the Natural Gas Conversion Kit supplied with the grill (on some models) or the Natural Gas Conversion Kit Part Number 710-0003 must be used. See "Assistance" section for information on ordering.

IMPORTANT: The gas installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 - latest edition.

Follow instructions for converting to Natural gas in the "Gas Conversions" section of this manual or the instructions supplied with Natural Gas Conversion Kit Part Number 710-0003.

The gas supply line shall be equipped with an approved shutoff valve. This valve should be located in the same area as the grill and should be in a location that allows ease of opening and closing. Do not block access to the shutoff valve. The valve is for turning on or shutting off gas to the grill.



A. Gas supply line
B. Shutoff valve "open" position
C. To grill