

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).

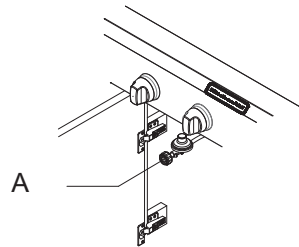
Gas Connection Requirements

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).

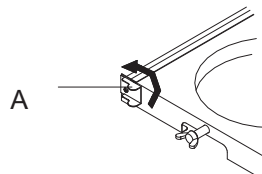
It is also design-certified by CSA International for local LP gas supply or for Natural gas with appropriate conversion.



A. Gas pressure regulator/hose assembly
The 20 lb LP gas fuel tank must be mounted and secured.

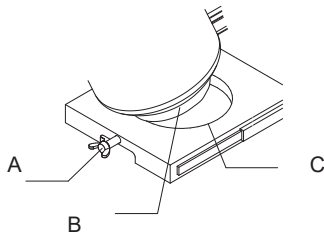
Door Style Tank Tray

1. Open cabinet door.
2. Slide the tank tray locking bracket counterclockwise 90 ° and pull out the tray



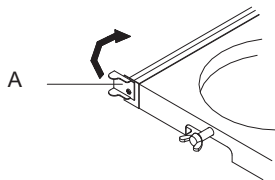
A. Tank tray locking bracket

- 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 20 lb LP gas fuel tank to secure.



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

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



A. Tank tray locking bracket

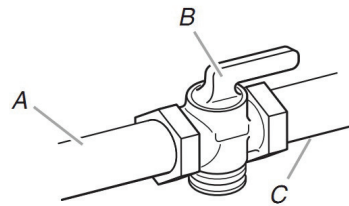
Natural Gas Conversion

Conversion must be made by a qualified gas technician. 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

Make Gas Connection

NOTE: If grill is to be converted to Natural gas, follow instructions in the "Gas Conversions" section.

20 lb LP Gas Fuel Tank

WARNING



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Examples of a qualified person include:

licensed heating personnel,
authorized gas company personnel, and
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Failure to do so can result in death, explosion, or fire.

LP Gas:

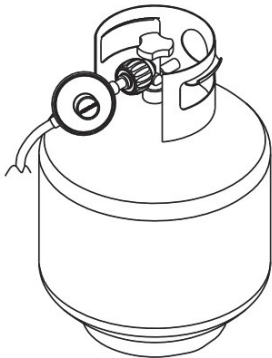
IMPORTANT: A 20 lb LP gas fuel tank must be purchased separately.

IMPORTANT: The gas pressure regulator/hose assembly supplied with the grill must be used. Replacement gas pressure regulator/hose assembly specific to your model is available from your outdoor grill dealer.

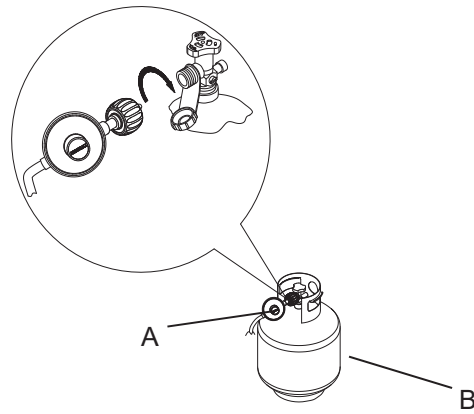
To Connect the 20 lb LP Gas Fuel Tank:

1. Check that the 20 lb LP gas fuel tank is in the "Off" position. If not, turn the valve clockwise until it stops.
2. Check that the 20 lb LP gas fuel tank valve has the proper type-1 external male thread connections per ANSI Z21.81.
3. Check that the burner control knobs are in the "Off" position.
4. Remove any debris and inspect the valve connections, port, and gas pressure regulator/hose assembly for damage.

NOTE: Always keep the LP cylinder at 90° (upright) orientation to provide vapor withdrawal.



5. Using your hand, turn the gas pressure regulator/hose assembly clockwise to connect to the 20 lb LP gas fuel tank as shown.
Hand tighten only. Use of a wrench could damage the quick coupling nut.



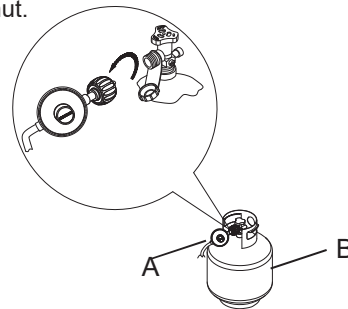
A. Gas pressure regulator/hose assembly
B. 20 lb LP gas fuel tank

Make sure that the cylinder valve connection device properly mates with the connection device attached to the inlet of the pressure regulator.

6. Open the tank valve fully by turning the valve counterclockwise. Wait a few minutes for gas to move through the gas line.
7. Before lighting the grill, test all connections by brushing on an approved noncorrosive leak-detection solution. Bubbles will show a leak.
8. If a leak is found, turn the tank valve off and do not use the grill. Contact a qualified gas technician to make repairs.
9. Go to "Check and Adjust the Burners" section.

To Disconnect the 20 lb LP Gas Fuel Tank:

1. Check that the burner control knobs are in the "Off" position and the grill is cool.
2. Check that the 20 lb LP gas fuel tank is in the "Off" position. If not, turn the valve clockwise until it stops.
3. Using your hand, turn the gas pressure regulator/hose assembly counterclockwise to disconnect to the 20 lb LP gas fuel tank as shown.
Hand loosen only. Use of a wrench could damage the quick coupling nut.



A. Gas pressure regulator/hose assembly
B. 20 lb LP gas fuel tank

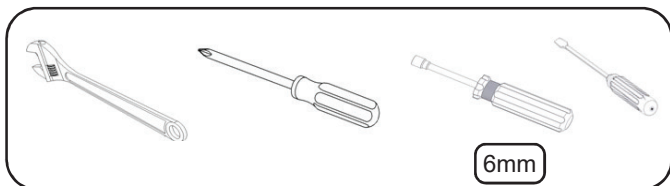
4. Place dust cap on cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cap on the valve outlet that is provided with the cylinder valve. Other types of caps or plugs may result in leakage of propane.

GAS CONVERSIONS

Tools and Parts for Gas Conversion

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

Tools needed



Parts supplied

- Natural gas orifices

Parts needed

■ 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

IMPORTANT: Gas conversions must be done by a qualified installer. Before proceeding with conversion, shut off the gas supply to the grill.

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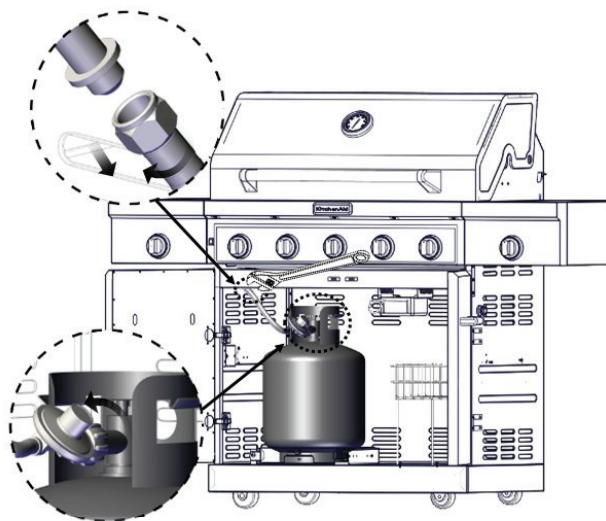
Securely tighten all gas connections.

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

Conversion from LP Gas to Natural Gas

Installation of the regulator

1. Turn off the main gas supply valve.
2. Disconnect 20 lb LP gas fuel tank (if present).
3. Turn off all burner control valves.
4. Remove the 20 lb LP gas fuel tank (if present) from the grill cart.
5. Use an adjustable wrench to remove the LP regulator from the manifold.



6. Use an adjustable wrench to install the Natural gas regulator hose to the manifold and secure. Attach the Natural gas regulator to the side panel inside the grill cart with the two screws that are preassembled on the regulator.

