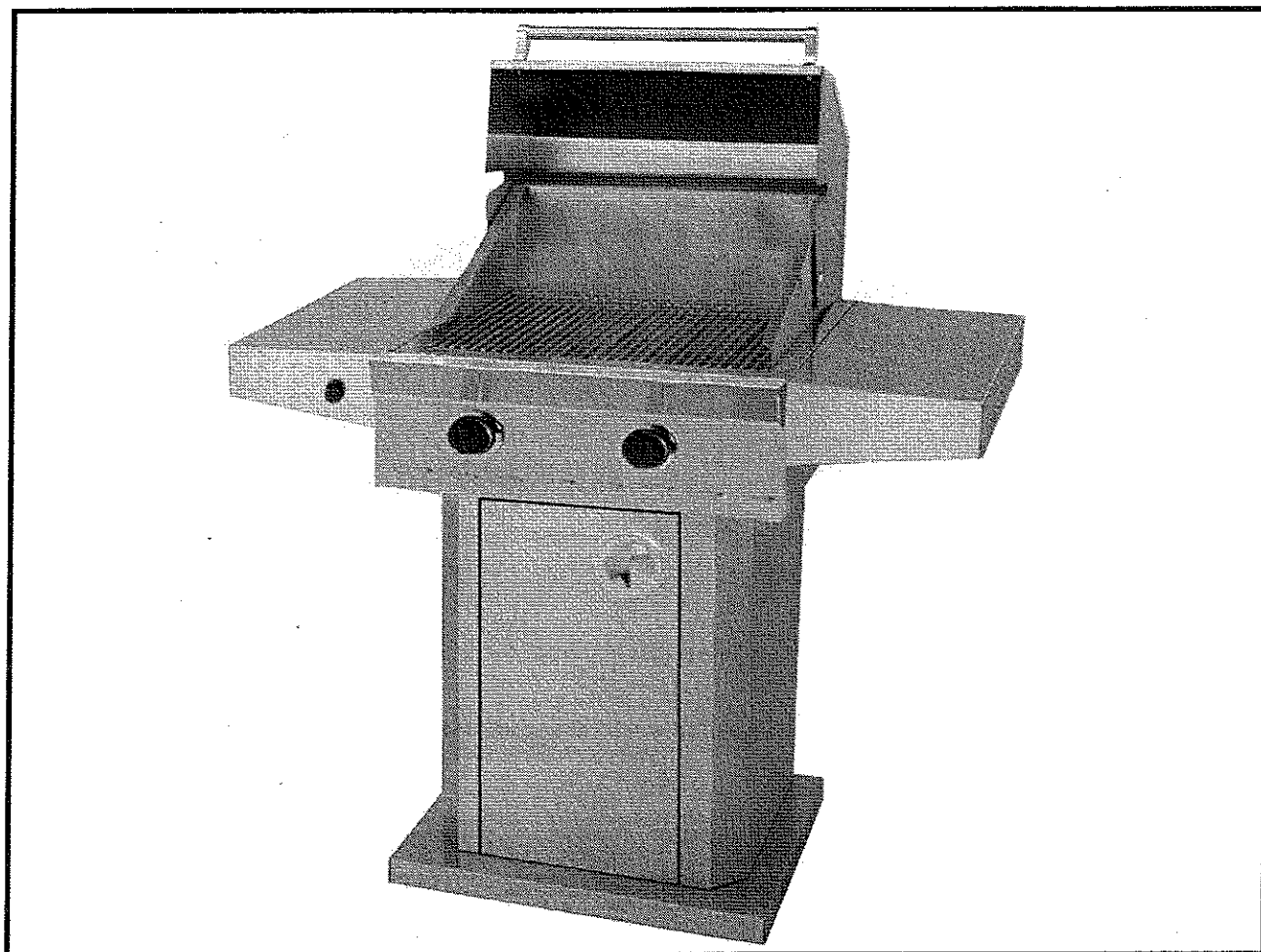


Crate&Barrel



Crate & Barrel Stainless Steel Grill: 26" Model



USE AND CARE MANUAL

FOR OUTDOOR USE ONLY

MADE IN THE USA

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Please record Grill information for future reference and service work: (found on cart door on white label)

Model #: _____

Serial #: _____

Date of Purchase: _____

Gas Type: _____

Please retain this manual for future reference

GENERAL SAFETY INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

- Read this manual carefully before using your grill to reduce the risk of fire, burn hazard or other injury.
- Extreme care should be used because of the high temperatures produced by this appliance. **CHILDREN SHOULD NOT BE LEFT UNATTENDED IN AN AREA WHERE THE GRILL IS BEING OPERATED.**
- This appliance must be kept clear from combustible materials, gasoline or other flammable vapors and liquids. Do not allow flammable materials to come in contact with grate, burner or hot surfaces.
- Do not repair or replace any part of this appliance unless it is specifically recommended in this manual. A qualified service technician should conduct all other service.
- Follow the installation and servicing instructions provided with this product. Have your grill installed by a qualified service technician. Locate the main gas supply valve so that you know how to shut the gas off to your grill. If you smell gas, make sure all gas connections are tight before operation. If you continue to smell gas call a qualified technician.
- When lighting a burner, always pay close attention to what you are doing. Be certain you are pushing the ignitor that lights the burner you intend on using.

FOR YOUR SAFETY

If you smell gas:

1. Shut off gas to the appliance.
2. Extinguish any open flames.
3. Open lid.
4. If odor continues, immediately call your gas supplier.

CALIFORNIA PROPOSITION 65 - WARNING: The Burning of gas cooking fuels generates some by products which are on the list of substances which are known by the State of California to cause cancer or reproductive harm. California law requires businesses to warn customers of potential exposure to such substances. To minimize exposure to these substances, always operate this unit according to the use and care manual, ensuring you provide good ventilation when cooking with gas.

This appliance is not intended to be installed in or on recreational vehicles or boats.

TESTED IN ACCORDANCE WITH ANSI Z21.58a-1998/CGA 1.6a-M98 STANDARD FOR OUTDOOR COOKING GAS APPLIANCES. THIS GRILL IS FOR OUTDOOR USE ONLY.

Check your local building codes for the proper method of installation. In the absence of local codes, this unit should be installed in accordance with the National Fuel Gas Code No. Z223.1-1998 and the National Electrical Code ANSI/NFPA No. 70-1990

FOR YOUR SAFETY

DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

An **LP cylinder** not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING

DO NOT try lighting this appliance without reading the "**LIGHTING INSTRUCTIONS**" section of this manual.

GRILL COMPONENTS LIST

Cart Parts

- 1 3 sided pedestal base
- 1 Base
- 2 Wheel channels

Grill Parts

- 1 Stainless steel grill head
- 2 Stainless steel side shelves
- 1 Electronic ignitor
- 1 Flavor grid
- 2 Stainless steel bar grates
- 1 Stainless steel warming rack
- 1 Drip pan
- 1 Hose and regulator (LP models only)

Assembly Parts

- 16 Hex head screws
- 8 Bolts

Tools Required for Assembly

- 1/4" Socket Wrench
- 1/2" Socket Wrench
- Adjustable Wrench
- Scissors

INSTALLATION / ASSEMBLY

Note: Prior to assembly remove protective film from stainless steel parts

Caution: Gas regulator is not flush with bottom. **DO NOT** let the Grill head sit flat without placing support around regulator to prevent damage to the regulator prior to installing on cart.

Cart Assembly, Door Pivot Bolt and Door Stop

1. Set 3 sided pedestal upside down. Set the base on the top of the cart assembly, with large opening closer to front portion of cart, and align the four mounting holes. Then set the 2 wheel channels on the base and attach them using the (4) bolts provided, from inside the cart upwards through wheel channels. (See Fig. 1)
2. **Door Stop:** Insert Bolt upwards from bottom side of Cart Base through the hole found in the left/front of the base. (See Fig 2)
3. Screw Rubber Cap onto Bolt from the topside of Cart Base and tighten securely. (See Fig. 3)
4. **Door Pivot Bolt:** Insert Bolt upwards from bottom side of Cart Base through the hole found in the right/front of the base and secure with bolt. (See Fig 2)

Attaching Grill Head to Cart

1. With the grill on its back, (be sure to hold the hood shut when doing this) loosen all 4 bolts on the bottom side of the grill. (See Fig. 3)
2. Next, using the 2 self tapping hex head screws enclosed, attach the Magnetic Door Catch in the 2 holes in the bottom of the Grill. (See Fig. 3a)
3. Have someone help you pick up the grill and set it on the top of the cart, with the **front** of the grill above the door opening. Make sure the 4 bolt heads fall through the large opening of the key hole slots in the top of the cart. Slide the grill head **forward** so the bolts are resting in the small opening of the key hole slots. Tighten the bolts securely-be sure not to over tighten and strip the bolts. Next insert 4 hex head screws into grill bottom through cart. (See Fig. 4)

Note: This is a very heavy step that requires two individuals to complete.

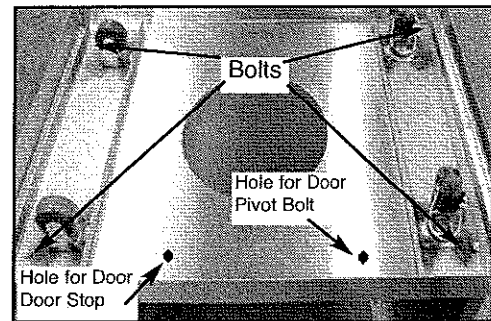


Fig. 1

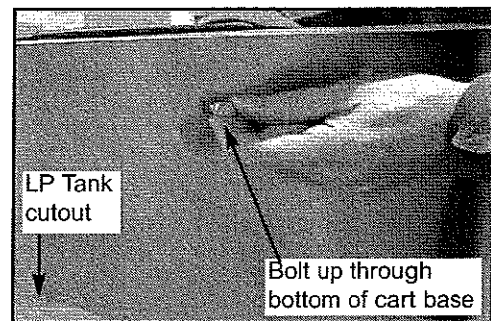


Fig. 2

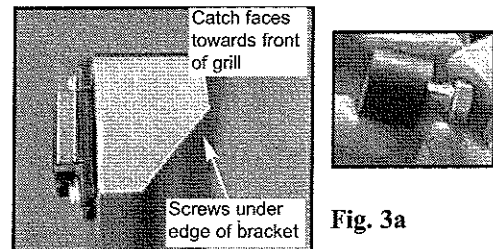


Fig. 3

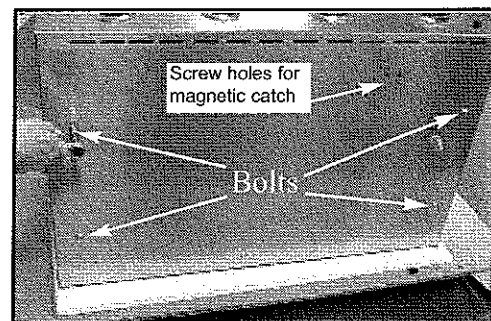


Fig. 4

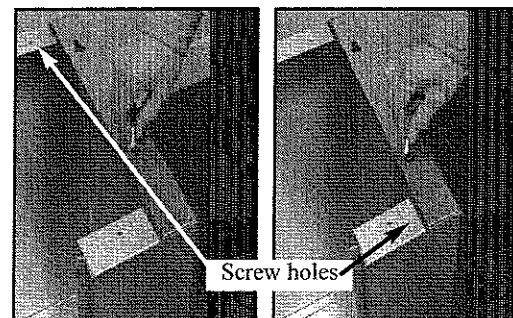


Fig. 5

INSTALLATION / ASSEMBLY

Ignitor Attachment

1. Remove the ignitor cap, spring assembly, battery and lock nut from ignitor. (See Fig. 6)
2. Insert the threaded section of the ignitor into the U-shaped cut out of the ignitor mounting bracket. (See Fig. 7)
3. Insert the threaded section of the ignitor through the hole in the left shelf and secure to shelf using the lock nut. Tighten Securely. (See Fig. 8)

Note: Shelf with Utensil Hooks is right shelf.

4. Re-insert the battery, positive side first, and spring assembly and attach the ignitor cap. (See Fig. 9)

Side Shelves Attachment

1. Attach the shelf with the ignitor to the left side of grill and the other shelf to the right by inserting the shelf hooks into the slots on the side of the grill and pushing down on the shelf assembly until level with grill. (See Fig. 10)
2. Lock the shelves in place by inserting (2) self tapping screws into each shelf. (See Fig. 11)
3. Attach the ignitor wire coming out of the left side of the grill to the ignitor terminal. (See Fig. 12)

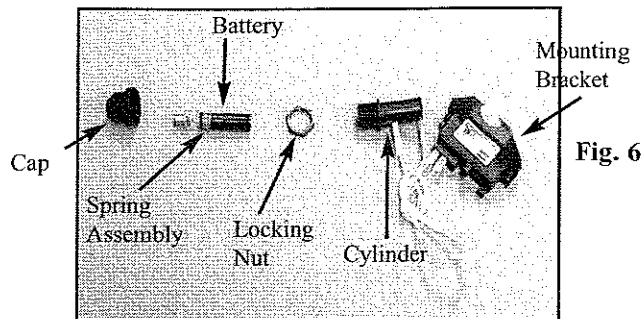


Fig. 6

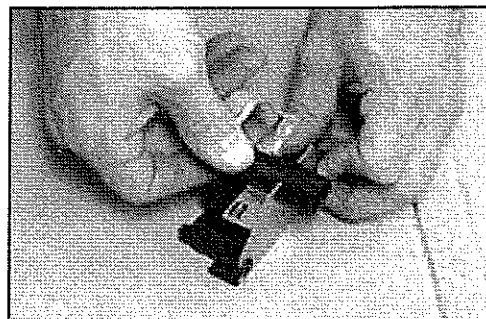


Fig. 7

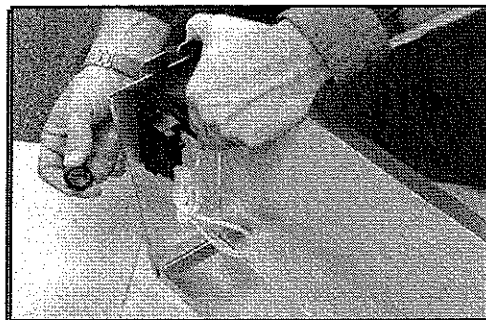


Fig. 8

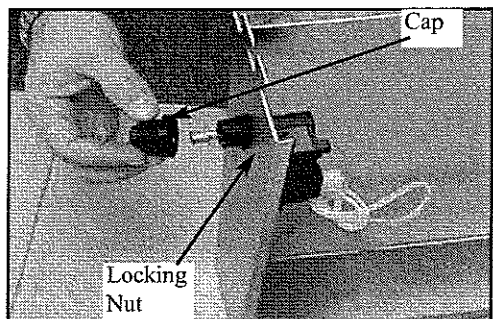


Fig. 9

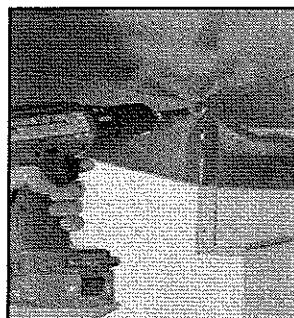


Fig. 11

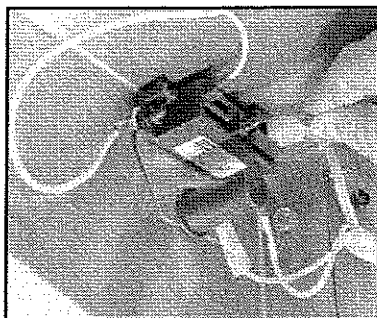


Fig. 12

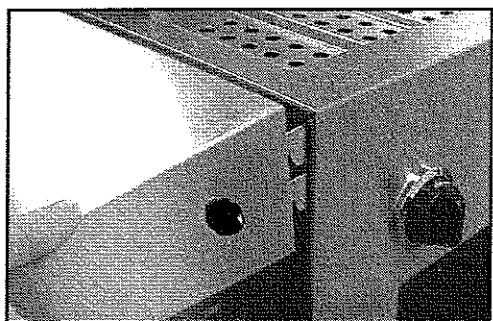


Fig. 10

INSTALLATION / ASSEMBLY

Interior parts installation

1. Insert the Flavor Grid into the bottom of the grill with the ridges facing up. Be sure the middle sections solid area is covering the front ignitor. (See Fig. 13)
2. Install cooking grates on the ledges provided on the grill to create your cooking surface. (See Fig. 14)
3. Place warming shelf on support brackets by setting it flat across brackets allowing the two holes to line up with the stops on each bracket. (See Fig. 15)

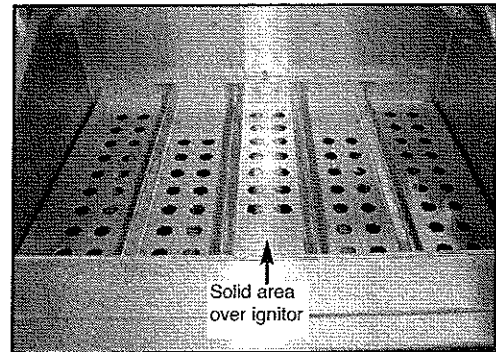


Fig. 13

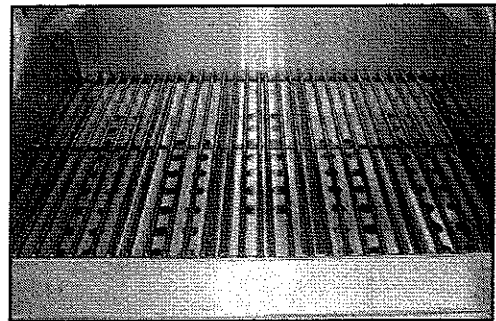


Fig. 14

Drip Pan Installation

1. The drip pan is located inside of the cart under the grill head. Slide Drip Tray in from the front of the grill and cart, fitting the ledges on the two rails that are located on the bottom of the grill. (See Fig. 16)

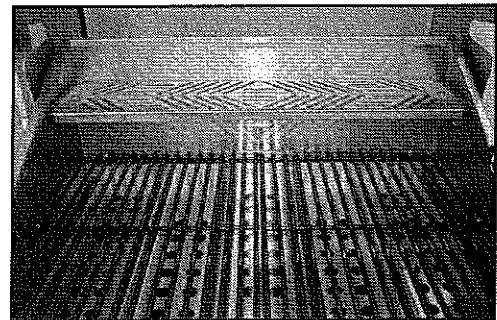


Fig. 15

Cart Door Installation

1. While holding the door line up the bottom hole on the door with the bolt sticking up through base of cart. Next place a nylon bushing onto the top pin, then depress the pin and insert into the hole in the bottom of the grill. (See Fig. 17)

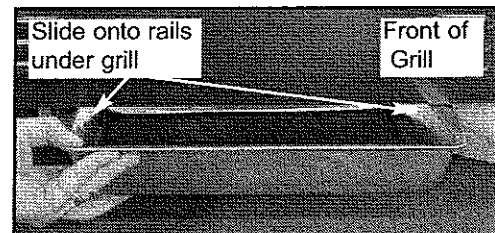


Fig. 16

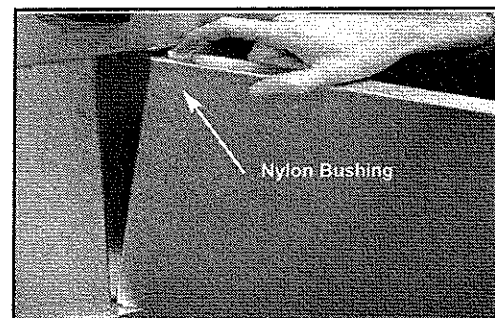


Fig. 17

GAS REQUIREMENTS

General Information

Verify the type of gas supply to be used, either Natural Gas (NG) or Liquid Propane (L.P.), and make sure the marking plate (located on the back of the unit) agrees with that of the supply.

Note: Never attach an unregulated gas line to the appliance.

For Natural Gas installations, an installer must supply a gas shutoff valve that is easily accessible to the grill. All installer supplied parts must conform to local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70-1990, and the National Fuel Gas Code, ANSI Z223.1-1998.

All pipe sealants must be an approved type and resistant to the actions of L.P. gases. Never use pipe sealant on flare fittings. All gas connections should be made by a competent technician and in accordance with local codes and ordinances. In the absence of local codes, the installation must comply with the National Fuel Gas Code, ANSI Z223.1-1998. Gas conversions kits are available from the factory. When ordering gas conversion kits have the model number, and the type of gas (natural or L.P.) from your grill.

This Grill and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 PSIG (3.5 kPa.).

This Grill must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 PSIG (3.5 kPa.).

The installation of this Grill must conform with local codes, or in the absence of local codes, with National Fuel Code, ANSI Z223.1a-1998.

Installation in Canada must be in accordance with the Standard Can1-b149.1 and or .2 (installation code for gas burning appliances and equipment) and local codes.

Natural Gas Installation

The gas inlet supply pressure should be between 5" and 14" Water Column,(w.c.) A step down regulator is required if the line pressure is in excess of 14" w.c. Inlet pressure must not exceed 14" water column (1/2 PSIG)

Check your local gas utility company or with local codes for instructions on installing gas supply lines. Be sure to check on type and size of run, and how deep to bury the line. If the gas supply line is too small, the grill will not operate correctly.

Any joint sealant used must be an approved type and be resistant to the actions of L.P. gases.

Attach the natural gas regulator (supplied with your grill) to the brass fitting coming out the bottom, backside of the grill (be sure the arrow on the regulator is pointing up towards the grill). Attach your gas line to the 3/8" flare fitting coming out of the natural gas regulator at the back of the grill.

Place the installer supplied shut-off valve in an accessible location to enable the gas supply to be cut off to the unit.

GAS REQUIREMENTS

L.P. Gas Installation

Crate & Barrel Gas Grills that are set to operate with L.P. gas come with a high capacity hose and regulator assembly. **(Note: Only use the pressure regulator and hose assembly supplied with the grill or a replacement pressure regulator and hose assemblies specified by Crate & Barrel)** This assembly is designed to connect directly to a standard 20 lb. L.P. cylinder.

Attach the gas hose assembly to the brass 3/8 flared fitting on the under side of the grill. Tighten securely and attach other end to the propane tank. (sold separately) (See Fig. 18)

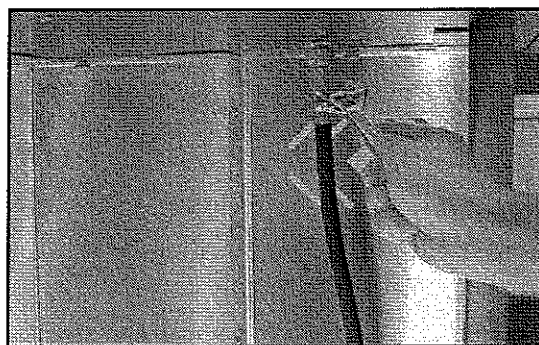
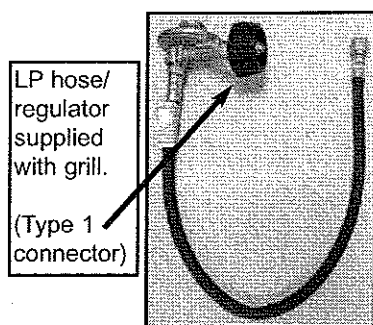
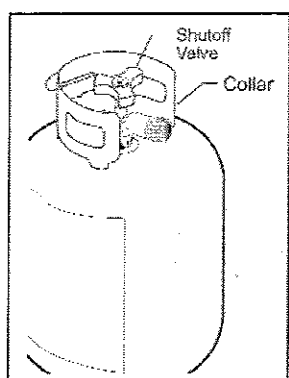


Fig. 18

L.P. Tank Information

Never use a dented or rusted L.P. tank or cylinder with a damaged valve.

The L.P. cylinder must be provided with a shut-off valve terminating in an L.P. gas supply cylinder outlet specified, as applicable, for connection No. 510 in the standard for compressed gas cylinder valve outlet and inlet connection ANSI/CGA-V-1. Cylinders must not be stored in a building, garage, or any other enclosed area. (The L.P. cylinder must have an overfill protection device on it.)

The L.P. Gas supply cylinder must be constructed and marked in accordance with the specifications for L.P. gas cylinders of the U.S. Department of Transportation (DOT) or the National Standard of Canada, CAN/CAS-B339, "Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods."

- When not in use, gas supply cylinder valve is to be in the "OFF" position.
- The tank supply system must be arranged for vapor withdrawal. (LP Tank must be kept in an upright position.)
- The regulator and hose assembly must be inspected before each use of the grill. If there is excessive abrasion or wear or if the hose is cut, it must be replaced prior to the grill being used again.
- Cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage or any other enclosed area.
- Never fill the cylinder beyond 80% full
- Do not store a spare LP-gas cylinder under or near this appliance

LEAK TESTING

General Information

Although all gas connections on the grill are leaked tested at the factory prior to shipment, a complete gas tightness check must be performed at the installation site due to possible mishandling in shipment, or excessive pressure unknowingly being applied to the unit. Periodically check the whole system for leaks, or immediately check if the smell of gas is detected.

Before Testing

Do Not smoke while leak testing. Extinguish all open flames. Never leak test with an open flame.

Mix a solution of equal parts mild detergent or liquid soap and water.

Testing

1. Turn off the burner control knobs.
2. Turn the top knob of the fuel supply cylinder counterclockwise (right to left) one rotation to open.
3. Apply the soap solution to connections of the fuel supply assembly. If no soap bubbles appear, the grill is ok to use. If bubbles form at the connections, a leak is detected. (If a leak is detected, immediately turn off the gas supply, tighten any leaking fittings, turn gas on, and recheck).
4. Turn off the knob on the fuel supply cylinder.
5. Turn on the burner control knobs for a moment to release the pressure in the hose, then turn the control knobs back off.
6. Wash off soapy solution with cold water and towel dry.

Note: If you cannot stop a gas leak turn off the gas supply and call your local gas utility, or the dealer you purchased the appliance from. If necessary, replace the faulty part with a manufacture recommended replacement part.

Check all gas supply fittings before each use and each time the gas supply cylinder is connected to the regulator. Have a Qualified Service Technician leak test the grill any time a part of the gas system is replaced. Also have a Qualified Service Technician perform a leak test at least once a year whether or not the L.P. gas supply cylinder has been disconnected.

USING THE GRILL

Grill Location

Do not use the grill in garages, breezeway, sheds or any enclosed area. Never operate the grill in enclosed areas as this could lead to a carbon monoxide buildup, which could result in injury or death. Place the grill on a level surface. Avoid moving the grill while it is operation.

Note: The grill will operate best if it is not facing directly into the wind.

Clearance to combustible construction - A minimum of 12" from the sides and back must be maintained from the gas grill above and below the cooking surface to adjacent vertical combustible construction.

Clearance to non-combustible construction - A minimum of 3" clearance from the back of the grill to non-combustible construction is required for the lid to fully open.

General Rules

Do Not leave the grill unattended while cooking!

1. Make sure the grill has been leak tested and is properly located.
2. Light the grill burners using the instructions on in this manual.
3. Turn the control knobs to "High" and preheat the grill for 10 minutes before cooking.
4. Adjust heat settings to meet your cooking needs for desired results.
5. Allow grill to cool down, wipe off any splatters or grease and clean the drip tray as needed.

LIGHTING THE GRILL

Before Lighting

Warning: Important! Before Lighting...

Check the gas supply line for cuts, wear or abrasion.

Always keep your face and body as far away from the grill as possible when lighting.

Grill Burner Lighting

Lighting the Grill with electronic ignitor

Always open the lid before attempting lighting. Push and turn one of the control knobs counter clockwise to the "HIGH" position and immediately press the electronic ignitor button. You'll hear a snapping sound. It may be necessary to hold the electronic starter button for about 4 seconds. If the burner does not light in 4 seconds, turn the knob to OFF and wait 5 minutes before trying again. Repeat above steps to light remaining burners. (See Fig. 19)

Match Lighting

If by chance the electronic ignitor does not light the burner, the burner may be lit with a match. Keep your face as far away from the Grill surface as possible and pass a lit, long stem match through the spaces in the Grill rack to the ports of the back crossover burner between the flavor grids. Position the match near the burner ports and push and turn the control knob counter clockwise to the "HIGH" position. (See Fig. 20)

Note: If the grill will not light after several attempts see the Troubleshooting section of this manual. Turn the control knobs to the OFF position when not in use.

Do not attempt to "Light" the grill if the odor of gas is present!!

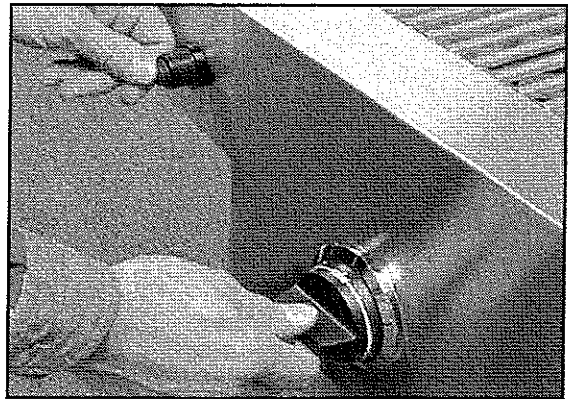


Fig. 19

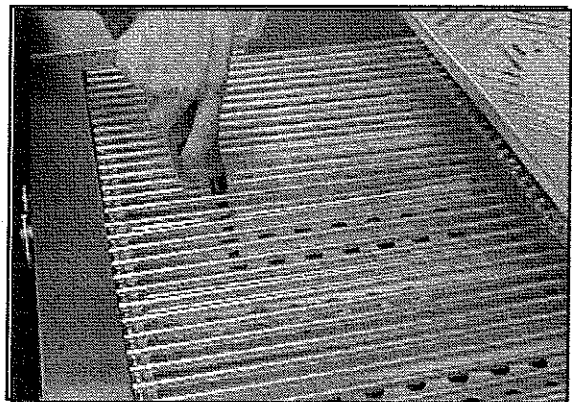


Fig. 20

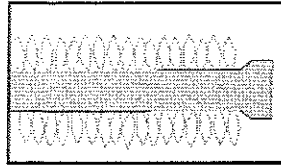
CARE and MAINTENANCE

General Maintenance (performed on a periodic basis, depending on usage)

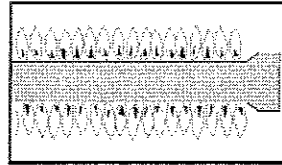
Check to make sure ventilation openings on the LP cylinder enclosure are not obstructed

Check to make sure the flow of combustion and ventilation air is not obstructed.

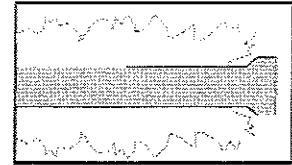
Check for proper burner flame .



Normal: Soft blue flames



Out of Adjustment: Hard blue flames-too much air



Poor Combustion: Wavy, yellow flames-too little air

Drip Tray

The drip tray located below the grill, inside the cart, should be cleaned periodically to prevent heavy buildup of debris.

Note: Allow the drip tray to cool before attempting to clean.

Cooking Grates

The cooking grates can be cleaned immediately after cooking is completed and after turning off the flame. Wear a barbecue mitt and scrub the cooking grates with a damp cloth. If the grill is allowed to cool down, cleaning the grates will be easier if removed from the grill and cleaned with a mild detergent.

Stainless Steel

The grill is made from a non-rusting stainless steel. After initial usage, areas of the grill may discolor from the intense heat given off by the burners, this is normal.

Purchase a mild stainless steel cleaner and rub in the direction of the grain of the metal. Specks of grease can gather on the surface of the stainless steel and bake on to the surface and give a worn appearance. For removal use an non-abrasive oven cleaner in conjunction with a stainless cleaner.

Note: Always scrub in the direction of the grain.

TRUBLE SHOOTING

General Trouble Shooting

You should inspect the burners at least once a year or immediately if any of the following conditions occur:

The smell of gas in conjunction with the burner flames appearing yellow.

The Grill does not reach temperature.

The burners make a popping noise.

The Grill heats unevenly.

Before calling customer service

If the Grill does not function properly, use the following checklist.

<u>Problem</u>	<u>Solution</u>
Grill will not light when the ignitor button is pushed.	<p>After opening tank valve, be sure one of the Grill control knobs is on high for at least 4 seconds while pushing ignitor button.</p> <p>Check tank fuel level.</p> <p>Check for loose wire connections.</p> <p>Remove the cooking grates and flavor grids. Push ignitor button, and check for spark on tip of electrode.</p> <p>Check to see if debris is blocking the electrode sparks.</p> <p>Check battery/replace battery.</p> <p>Attempt to match light the burner.</p> <p>If using L.P. gas, disconnect gas line at tank, then reconnect.</p>
Low heat with knob in "High" position.	<p>Check for proper gas supply and pressure.</p> <p>If using L.P. gas check for low fuel level.</p> <p>If using L.P. gas check for kinks in supply line.</p> <p>If only one burner appears low, clear burner ports of any obstructions.</p> <p>Pre-heat Grill for a full 10 minutes.</p> <p>If using L.P. gas, disconnect gas line at tank, then reconnect.</p>

TRUBLE SHOOTING

<u>Problem</u>	<u>Solution</u>
Flame is erratic	<p>Check gas connection.</p> <p>Fuel level may be low.</p> <p>Grill may be in need of cleaning.</p>
Flare-Ups	<p>Check flavor grids and cooking grates for excess build-up.</p> <p>Ensure Grill is not placed directly in path of wind.</p> <p>Be sure the drip tray is clean. (do not use aluminum foil in drip tray)</p>
Burner flame is yellow or orange, in conjunction with the odor of gas.	<p>Check the burner inlet for obstructions.</p> <p>Grill may be in a windy area. Move to a less windy area if possible.</p>
Cart door does not align properly with cart	<p>Loosen the four bolts that attach grill head to cart. Slide grill head either to the left or right until door is aligned properly. Retighten the bolts.</p>

Spider and Insect Warning

Spider and insects can nest in the burners of this or any other Grill and cause the gas to flow from the front of the burner. This is very dangerous condition which can cause a fire to occur behind the valve panel, thereby damaging the Grill and making it unsafe to operate. We recommend you check at least once a year to be safe.

WARRANTY

LIMITED LIFETIME WARRANTY

Crate & Barrel Grills have a Lifetime Warranty on all stainless steel parts, 10 years on stainless burners and a 1 year warranty on all other parts.

IMPORTANT: We recommend you return the warranty registration card so that you can be contacted with any questions of safety arise that could affect you. The return of the warranty registration card is not a condition for warranty coverage.

LIMITED WARRANTY

If the Crate & Barrel Grill does not operate properly, first thoroughly carry out the instructions provided with the unit to ensure that the appliance is installed correctly and check the Troubleshooting section.

- The warranty is nontransferable.
- The warranty is for replacement of defective parts only. Sure Heat will not be responsible for damage resulting from accident, alteration, misuse, abuse, hostile environments, improper installation or installation not in accordance with local codes.
- This limited warranty does not cover corrosion or discoloring due to lack of maintenance, misuse, hostile environments, alterations, accidents or abuse or neglect.
- This limited warranty does not cover any scratches, dents, corrosion or discoloring by heat, abrasive and chemical cleaners nor any components used in the installation of the appliance.

If you have other questions, please contact Customer Service Hotline
(800) 229-5647

Because of continuing product improvement these specifications are subject to change without notice.

Manufactured by Sure Heat for Crate & Barrel Inc.

12/2003