

PRODUCT GUIDE MODEL 463247109

IMPORTANT: Fill out the product record information below.

Serial Number

See rating label on grill for serial number.

Date Purchased

For support and to register your grill, please visit us at www.charbroil.com

If you have questions or need assistance during assembly, please call **1-888-430-7870**.



Estimated assembly time: 30-45 minutes

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Safety Symbols

The symbols and boxes shown below explain what each heading means. Read and follow all of the messages found throughout the manual.



WARNING



WARNING: Indicates an potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION



or moderate injury. DANGER

unsafe practice which, if not avoided, may result in minor



DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

DANGER

If you smell gas:

- 1. Shut off gas to the appliance.
- 2. Extinguish any open flame.
- 3. Open lid.
- 4. If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department.





- 1. Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.
- 2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.





For residential use only. Do not use for commercial cooking.

THIS GRILL IS FOR OUTDOOR USE ONLY.

CAUTION:

Read and follow all safety statements, assembly instructions, and use and care directions before attempting to assemble and cook.

INSTALLER/ASSEMBLER:

Leave this manual with consumer.

CONSUMER:

Keep this manual for future reference.

WARNING:

Failure to follow all manufacturer's instructions could result in serious personal injury and/or property damage.

CAUTION:

Some parts may contain sharp edges - especially as noted in the manual! Wear protective gloves if necessary.



WARNING



CALIFORNIA PROPOSITION 65

1. Combustion by-products produced when using this product contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

2. This product contains chemicals, including lead and lead compounds, known to the State of California to cause cancer, birth defects or other reproductive harm.

Wash your hands after handling this product.

Installation Safety Precautions

- Use grill, as purchased, only with LP (propane) gas and the regulator/valve assembly supplied. A conversion kit must be purchased for use with natural gas.
- Grill installation must conform with local codes, or in their absence of local codes, with either the *National Fuel Gas Code, ANSI Z223.1/ NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2, or the Standard for Recreational Vehicles, ANSI A 119.2/NFPA 1192, and CSA Z240 RV Series, Recreational Vehicle Code, as applicable.*
- All electrical accessories (such as rotisserie) must be electrically grounded in accordance with local codes, or *National Electrical Code, ANSI / NFPA 70 or Canadian Electrical Code, CSA C22.1.* Keep any electrical cords and/or fuel supply hoses away from any hot surfaces.
- This grill is safety certified for use in the United States and/or Canada only. Do not modify for use in any other location. Modification will result in a safety hazard.



WARNING

Do not attempt to repair or alter the

hose/valve/regulator for any "assumed" defect. Any modification to this assembly will void your warranty and create the risk of a gas leak and fire. Use only authorized replacement parts supplied by manufacturer.

USE AND CARE



DANGER



 NEVER store a spare LP cylinder under or near the appliance or in an enclosed area.



- Never fill a cylinder beyond 80% full.
- · An over filled or improperly stored cylinder is a hazard due to possible gas release from the safety relief valve. This could cause an intense fire with risk of property damage, serious injury or death.
- If you see, smell or hear gas escaping, immediately get away from the LP cylinder/appliance and call your fire department.

LP Cylinder Removal, Transport and Storage

- Turn OFF all control knobs and LP cylinder valve. Turn coupling nut counterclockwise by hand only - do not use tools to disconnect. Loosen cylinder screw beneath bottom shelf, then lift LP cylinder up and out of cart. Install safety cap onto LP cylinder valve. Always use cap and strap supplied with valve. Failure to use safety cap as directed may result in serious personal injury and/or property damage.
- A disconnected LP cylinder in LP Cylinder Valve storage or being transported must have a safety cap installed (as shown). Do not store an LP cylinder in enclosed spaces such as a carport, garage, porch, covered patio or other building. Never leave an LP cylinder inside a vehicle which may become overheated **Retainer Strap** by the sun.
- · Do not store an LP cylinder in an area where children play.

LP Cylinder

- · The LP cylinder used with your grill must meet the following requirements:
- Use LP cylinders only with these required measurements: 12" (30.5cm) (diameter) x 18" (45.7 cm) (tall) with 20 lb. (9 kg.) capacity maximum.
- LP cylinders must be constructed and marked in accordance with specifications for LP cylinders of the U.S. Department of Transportation (DOT) or for Canada, CAN/CSA-B339, cylinders, spheres and tubes for transportation of dangerous goods. Transport Canada (TC). See LP cylinder collar for marking.
- LP cylinder valve must have:
 - Type 1 outlet compatible with regulator or grill.
 - · Safety relief valve.



 UL listed Overfill Protection Device (OPD). This OPD safety

feature is identified by a unique triangular hand wheel. Use only LP cylinders equipped with this type of valve.

· LP cylinder must be arranged for vapor withdrawal and include collar to protect LP cylinder valve. Always keep LP cylinders in upright position during use, transit or storage.



LP cylinder in upright position for vapor withdrawal

LP (Liquefied Petroleum Gas)

- LP gas is nontoxic, odorless and colorless when produced. For Your Safety, LP gas has been given an odor (similar to rotten cabbage) so that it can be smelled.
- LP gas is highly flammable and may ignite unexpectedly when mixed with air.

LP Cylinder Filling

Safety

Cap

- Use only licensed and experienced dealers.
- LP dealer must purge new cylinder before filling.
- Dealer should NEVER fill LP cylinder more than 80% of LP cylinder volume. Volume of propane in cylinder will vary by temperature.
- A frosty regulator indicates gas overfill. Immediately close LP cylinder valve and call local LP gas dealer for assistance.
- Do not release liquid propane (LP) gas into the atmosphere. This is a hazardous practice.
- To remove gas from LP cylinder, contact an LP dealer or call a local fire department for assistance. Check the telephone directory under "Gas Companies" for nearest certified LP dealers.

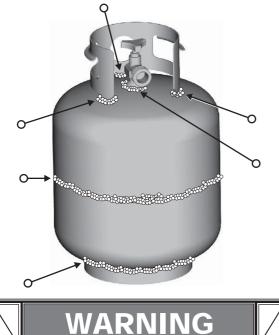
LP Cylinder Exchange

- Many retailers that sell grills offer you the option of replacing your empty LP cylinder through an exchange service. Use only those reputable exchange companies that inspect, precision fill, test and certify their cylinders. Exchange your cylinder only for an OPD safety feature-equipped cylinder as described in the "LP Cylinder" section of this manual.
- Always keep new and exchanged LP cylinders in upright position during use, transit or storage.
- Leak test new and exchanged LP cylinders BEFORE connecting to grill.

LP Cylinder Leak Test

For your safety

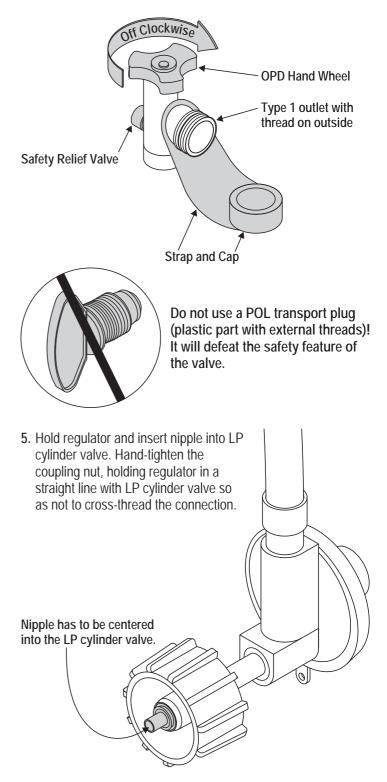
- Leak test must be repeated each time LP cylinder is exchanged or refilled.
- Do not smoke during leak test.
- Do not use an open flame to check for gas leaks.
- Grill must be leak tested outdoors in a well-ventilated area, away from ignition sources such as gas fired or electrical appliances. During leak test, keep grill away from open flames or sparks.
- Use a clean paintbrush and a 50/50 mild soap and water solution. Brush soapy solution onto areas indicated by arrows in figure below.
- ▲ Do not use household cleaning agents. Damage to gas train components can result.

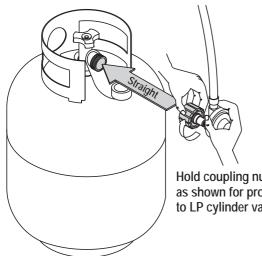


If "growing" bubbles appear do not use or move the LP cylinder. Contact an LP gas supplier or your fire department!

Connecting Regulator to the LP Cylinder

- 1. LP cylinder must be properly secured onto grill. (Refer to assembly section.)
- 2. Turn all control knobs to the OFF position.
- 3. Turn LP cylinder OFF by turning hand-wheel clockwise to a full stop.
- **4.** Remove the protective cap from LP cylinder valve. Always use cap and strap supplied with valve.





Hold coupling nut and regulator as shown for proper connection to LP cylinder valve.

6. Turn the coupling nut clockwise and tighten to a full stop. The regulator will seal on the back-check feature in the LP cylinder valve, resulting in some resistance. An additional one-half to three-quarters turn is required to complete the connection. Tighten by hand only - do not use tools.

NOTE:

If you cannot complete the connection, disconnect regulator and repeat steps 5 and 6. If you are still unable to complete the connection, do not use this regulator!



DANGER



Do not insert any tool or foreign object into the valve outlet or safety relief valve. You may damage the valve and cause a leak. Leaking propane may result in explosion, fire, severe personal injury, or death.

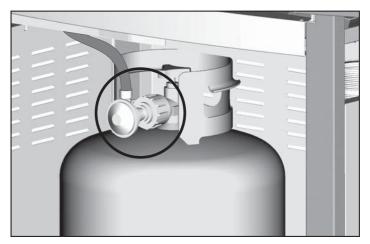


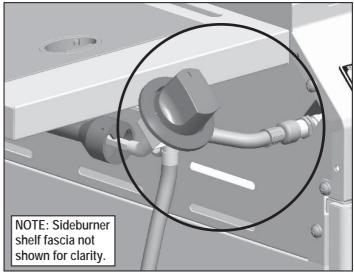
WARNING

- Outdoor gas appliance is not intended to be installed in or on a boat.
- Outdoor gas appliance is not intended to be installed in or on an RV.
- Never attempt to attach this grill to the self-contained LP gas system of a camper trailer or motor home.
- Do not use grill until leak-tested.
- · If a leak is detected at any time, STOP and call the fire department.
- If you cannot stop a gas leak, *immediately* close LPcylinder valve and call LP gas supplier or your fire department!

Leak Testing Valves, Hose and Regulator

- 1. Turn all grill control knobs to OFF.
- 2. Be sure regulator is tightly connected to LP cylinder.
- 3. Completely open LP cylinder valve by turning hand wheel counterclockwise. If you hear a rushing sound, turn gas off immediately. There is a major leak at the connection. Correct before proceeding.
- 4. Brush soapy solution onto areas circled below.





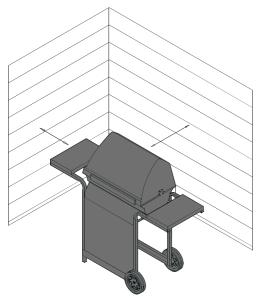
- 5. If "growing" bubbles appear, there is a leak. Close LP cylinder valve immediately and retighten connections. If leaks cannot be stopped do not try to repair. Call for replacement parts.
- 6. Always close LP cylinder valve after performing leak test by turning hand wheel clockwise.

WARNING



For Safe Use of Your Grill and to Avoid Serious Injury:

- · Do not let children operate or play near grill.
- Keep grill area clear and free from materials that burn.
- Do not block holes in sides or back of grill.
- Check burner flames regularly.
- Use grill only in well-ventilated space. NEVER use in enclosed space such as carport, garage, porch, covered patio, or under an overhead structure of any kind.
- Do not use charcoal or ceramic briquets in a gas grill. (Unless briquets are supplied with your grill.)
- Use grill at least 3 ft. from any wall or surface. Maintain 10 ft. clearance to objects that can catch fire or sources of ignition such as pilot lights on water heaters, live electrical appliances, etc.
- Keeping the ventilation opening(s) of the cylinder enclosure free and clear from the debris.



Apartment Dwellers:

Check with management to learn the requirements and fire codes for using an LP gas grill in your apartment complex. If allowed, use outside on the ground floor with a three (3) foot clearance from walls or rails. Do not use on or under balconies.

- NEVER attempt to light burner with lid closed. A buildup of non-ignited gas inside a closed grill is hazardous.
- Never operate grill with LP cylinder out of correct position specified in assembly instructions.
- Always close LP cylinder valve and remove coupling nut before moving LP cylinder from specified operation position.

Safety Tips

- ▲ Before opening LP cylinder valve, check the coupling nut for tightness.
- ▲ When grill is not in use, turn off all control knobs and LP cylinder valve.
- ▲ Never move grill while in operation or still hot.
- ▲ Use long-handled barbecue utensils and oven mitts to avoid burns and splatters.
- ▲ Maximum load for sideburner and side shelf is 10 lbs.
- ▲ The grease tray **must** be inserted into grill and emptied after each use. Do not remove grease tray until grill has completely cooled.
- ▲ Clean grill often, preferably after each cookout. If a bristle brush is used to clean any of the grill cooking surfaces, ensure no loose bristles remain on cooking surfaces prior to grilling. It is not recommended to clean cooking surfaces while grill is hot.
- ▲ If you notice grease or other hot material dripping from grill onto valve, hose or regulator, turn off gas supply at once. Determine the cause, correct it, then clean and inspect valve, hose and regulator before continuing. Perform a leak test.
- ▲ Keep ventilation openings in cylinder enclosure (grill cart) free and clear of debris.
- ▲ Do not store objects or materials inside the grill cart enclosure that would block the flow of combustion air to the underside of either the control panel or the firebox bowl.
- ▲ The regulator may make a humming or whistling noise during operation. This will not affect safety or use of grill.
- ▲ If you have a grill problem see the *"Troubleshooting Section"*.
- ▲ If the regulator frosts, turn off grill and LP cylinder valve immediately. This indicates a problem with the cylinder and it should not be used on any product. Return to supplier!





- Putting out grease fires by closing the lid is not possible. Grills are well ventilated for safety reasons.
- Do not use water on a grease fire. Personal injury may result. If a grease fire develops, turn knobs and LP cylinder off.
- Do not leave grill unattended while preheating or burning off food residue on HI. If grill has not been regularly cleaned, a grease fire can occur that may damage the product.

Ignitor Lighting

- ▲ Do not lean over grill while lighting.
- 1. Turn 🕲 OFF all Gas Burner Control Valves.
- 2 Turn ON gas source or tank
- 3. Open lid during lighting.
- 4. To ignite any main burner, turn the main burner control knob to sposition.
- 5. Push and hold ELECTRONIC IGNITOR button until the burner lights.
- Once burner has ignited, turn knob to desired setting.
- 7. If ignition does NOT occur in 5 seconds, turn the burner control to OFF, wait 5 minutes, and repeat lighting procedure.
- 8. Repeat steps 4 through 7 for the remaining main burners.

If ignition still does not occur, follow match-lighting instructions.

Lighting instructions continued on next page.



WARNING



Turn controls and gas source or tank OFF when not in use.



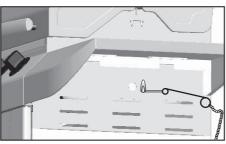
CAUTION



If ignition does NOT occur in 5 seconds, turn the burner controls OFF, wait 5 minutes and repeat the lighting procedure. If the burner does not ignite with the valve open, gas will continue to flow out of the burner and could accidently ignite with risk of injury.

Match-Lighting

- ▲ Do not lean over grill while lighting.
- 1. Turn (OFF all burner control valves.
- 2. Open lid. Turn on gas at LP cylinder.
- **3.** Place lit match into match holder (hanging from cart side panel), then into lighting hole on right or left side of grill.
- Push in and turn far right or far left burner knob to HIGH (1). Be sure burner lights and stays lit.
- 5. Light adjacent burners in sequence by pushing knobs in and turning to HIGH (



Sideburner Ignitor Lighting

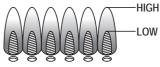
- ▲ Do not lean over grill while lighting.
- 1. Turn 🕲 OFF all gas burner control valves.
- 2. Turn on gas source or tank.
- 3. Open lid during lighting.
- To ignite SIDEBURNER, turn sideburner knob to the position.
- 5. Push and hold the ELECTRONIC IGNITOR button until the sideburner lights.
- 6. Once burner has ignited, turn knob to desired setting.
- If ignition does not occur in 5 seconds, turn the burner control to OFF, wait 5 minutes, and repeat the lighting procedure.

Sideburner Match Lighting

- 1. Turn 🕲 OFF all burner control valves.
- 2. Open sideburner lid. Turn on gas at LP cylinder.
- 3. Place lit match near burner.
- Turn sideburner knob to HIGH .Be sure burner lights and stays lit.

Burner Flame Check

• Remove cooking grates and flame tamers. Light burners, rotate knobs from HIGH (1) to LOW (2). You should see a smaller flame in LOW position than seen on HIGH. Perform burner flame check on sideburner, also. Always check flame prior to each use. If only low flame is seen refer to "Sudden drop or low flame" in the *Troubleshooting Section*.



Turning Grill Off

• Turn all knobs to **OFF** (a) position. Turn LP cylinder off by turning hand-wheel clockwise to a full stop.

Ignitor Check

• Turn gas off at LP cylinder. Press and hold electronic ignitor button. "Click" should be heard and spark seen each time between collector box or burner and electrode. See *"Troubleshooting"* if no click or spark.

Valve Check

• Important: Make sure gas is off at LP cylinder before checking valves. Knobs lock in OFF position. To check valves, first push in knobs and release, knobs should spring back. If knobs do not spring back, replace valve assembly before using grill. Turn knobs to LOW position then turn back to OFF position. Valves should turn smoothly.

Hose Check

• Before each use, check to see if hoses are cut or worn. Replace damaged hoses before using grill. Use only valve/hose/regulator specified by manufacturer.



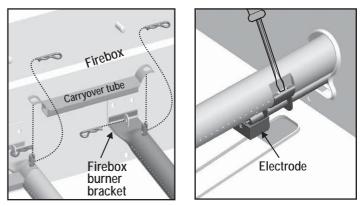
In some areas of the country, spiders or small insects have been known to create "flashback" problems. The spiders spin webs, build nests and lay eggs in the grill's venturi tube(s) obstructing the flow of gas to the burner. The backed-up gas can ignite in the venturi behind the control panel. This is known as a flashback and it can damage your grill and even cause injury.

To prevent flashbacks and ensure good performance the burner and venturi assembly should be removed from the grill and cleaned before use whenever the grill has been idle for an extended period.

Cleaning the Burner Assembly

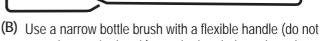
Follow these instructions to clean and/or replace parts of burner assembly or if you have trouble igniting grill.

- 1. Turn gas off at control knobs and LP cylinder.
- 2. Remove cooking grates and flame tamers.
- 3. Remove hitch pins and carryover tubes from rear of burners.
- 4. Remove Hitch pin to disengage burner from bracket on firebox.
- 5. Detach electrode from burner with a flat screw driver by pressing the electrode clamp out of the burner through the notch on the clamp. Electrode should remain in firebox.
- 6. Carefully lift each burner up and away from valve openings.



We suggest three ways to clean the burner tubes. Use the one easiest for you.

(A) Bend a stiff wire (a light weight coat hanger works well) into a small hook. Run the hook through each burner tube several times.



- use a brass wire brush), run the brush through each burner tube several times.
- (C) Wear eye protection: Use an air hose to force air into the burner tube and out the burner ports. Check each port to make sure air comes out each hole.
- 7. Wire brush entire outer surface of burner to remove food residue and dirt.
- 8. Clean any blocked ports with a stiff wire such as an open paper clip.
- 9. Check burner for damage, due to normal wear and corrosion some holes may become enlarged. If any large cracks or holes are found replace burner.
- VERY IMPORTANT: Burner tubes must reengage valve openings. See illustrations at right.
- 10. Attach electrode to burner.
- 11. Carefully replace burners.
- Attach burners to brackets on firebox.
 Reposition carryover tubes and attach to burners. Replace flame tamers and cooking grates.

Correct burner-to-valve engagement

LIMITED WARRANTY

This warranty only applies to units purchased from an authorized retailer. Manufacturer warrants to the original consumer-purchaser only that this product shall be free from defects in workmanship and materials after c rrect assembly and under normal and reasonable home use for the periods indicated below beginning on the date of manufacture*. The manufacturer reserves the right to require that defective parts be returned, postage and or freight pre-paid by the consumer for review and examination.

SCOPE OF COVERAGE	PERIOD OF COVERAGE	TYPE OF FAILURE COVERAGE
Stainless Burner	Limited Lifetime	PERFORATION, MANUFACTURING,
Firebox and Lid	2 years from date of purchase*	AND MATERIAL DEFECTS ONLY
All Other Parts	1 year from date of purchase*	

*Note: The warranty period of coverage will be extended to begin on the date of purchase on the condition that the consumer registers the product and supplies a copy of the original dated sales receipt.

The original consumer-purchaser will be responsible for all shipping charges for parts replaced under the terms of this limited warranty.

This limited warranty is applicable in the United States and Canada only, is only available to the original owner of the product and is not transferable. Manufacturer requires proof of your date of purchase. Therefore, you should retain your sales slip or invoice. Registering your product is not a substitute for proof of purchase and the manufacturer is not responsible for or required to retain proof of purchase records.

This limited warranty applies to the functionality of the product ONLY and does not cover cosmetic issues such as scratches, dents, corrosions or discoloring by heat, abrasive and chemical cleaners or any tools used in the assembly or installation of the appliance, surface rust, or the discoloration of stainless steel surfaces.

This limited warranty will not reimburse you for the cost of any inconvenience, food, personal injury or property damage.

ITEMS MANUFACTURER WILL NOT PAY FOR:

1. Shipping cost, standard or expedited, for warranty and replacement parts

- 2. Service calls to your home.
- 3. Repairs when your product is used for other than normal, single-family household or residential use. 4.Damage, failures, or operating difficulties resulting from accident, alteration, careless handling, misuse, abuse, fire, flood, acts of God, improper installation or maintenance, installation not in accordance with electrical or plumbing codes, or use of products not approved by the manufacturer.
- 5. Any food loss due to product failures or operating difficulties.
- 6. Replacement parts or repair labor costs for units operated outside the United States or Canada.
- 7. Pickup and delivery of your product.
- 8. Repairs to parts or systems resulting from unauthorized modifications made to the product.
- 9. The removal and/or reinstallation of your product.

DISCLAIMER OF IMPLIED WARRANTIES and LIMITATION OF REMEDIES

Repair or replacement of defective parts is your exclusive remedy under the terms of this limited warranty. Manufacturer will not be responsible for any consequential or incidental damages arising from the breach of either this limited warranty or any applicable implied warranty, or for failure or damage resulting from acts of God, improper care and maintenance, grease fire, accident, alteration, replacement of parts by anyone other than Manufacturer, misuse, transportation, commercial use, abuse, hostile environments (inclement weather, acts of nature, animal tampering), improper installation or installation not in accordance with local codes or printed manufacturer instructions.

THIS LIMITED WARRANTY IS THE SOLE EXPRESS WARRANTY GIVEN BY THE MANUFACTURER. NO PRODUCT PERFORMANCE SPECIFICATION OR DESCRIPTION WHEREVER APPEARING IS WARRANTED BY MANUFACTURER EXCEPT TO THE EXTENT SET FORTH IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTY PROTECTION ARISING UNDER THE LAWS OF ANY STATE, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, IS HEREBY LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY.

Neither dealers nor the retail establishment selling this product has any authority to make any additional warranties or to promise remedies in addition to or inconsistent with those stated above. Manufacturer's <u>maximum liability</u>, in any event, shall not exceed the purchase price of the product paid by the original consumer.

NOTE: Some states do not allow an exclusion or limitation of incidenta or consequential damages, so some of the above limitations or exclusions may not apply to you. This limited warranty gives you specific legal rights as set foth herein. You may also have other rights which vary from state to state. In the state of California only, if refinishing or replacement of the product is not commercially practicable, the retailer selling this product or the Manufacturer will refund the purchase price paid for the product, less the amount directly attributable to use by the original consumer-purchaser prior to discovery of the nonconformity. In addition, in the state of California only, you may take the product to the retail establishment selling this product in order to obtain performance under this limited warranty.

If you wish to obtain performance of any obligation under this limited warranty, you should

write to: Consumer Relations

P. O. Box 1240 Columbus, GA 31902-1240

Consumer returns will not be accepted unless a valid Return Authorization is first acquired. Authorized returns are clearly marked on the outside of the package with an RA number and the package is shipped freight/postage pre-paid. Consumer returns that do not meet these standards will be refused.

PARTS LIST

Kov	0414	Description		
Key		Description		
A	1	BOTTOM SHELF		
B	1	TANK SCREW, F/ BOTTOM SHELF		
С	2	CASTER, LOCKING		
D	2	CASTER, FIXED		
E	1	CART LEFT SIDE PANEL		
F	1	GROMMET, F/ REGULATOR HOLE		
G	1	CART RIGHT SIDE PANEL		
Н	1	CART LOWER BACK PANEL		
- 1	1	FRONT DOOR BRACE		
J	1	HEAT SHIELD, F/ TANK		
К	1	LEFT RAIL, F/ GREASE TRAY		
L	1	RIGHT RAIL, F/ GREASE TRAY		
М	1	FIREBOX		
Ν	1	MATCH HOLDER		
0	3	MAIN BURNER, F/ FIREBOX		
		ELECTRODE, W/ WIRE/COLLECTOR		
Р	3	BOX, F/MAIN BURNER		
		FLAME CARRYOVER TUBE W/ COTTER		
Q	2	PIN		
R	1	IGNITER SWITCH MODULE		
S	1	HOSE VALVE REGULATOR ASSEMBLY		
T	1	MAIN CONTROL PANEL		
Ū	1	ELECTRONIC IGNITION MODULE		
V	1	HEAT SHIELD, F/ EI MODULE		
Ŵ	1	BUTTON, F/ ELECTRONIC MODULE		
X		ELECTRODE WIRE, F/ SIDEBURNER		
Y		BEZEL, F/ CONTROL KNOB		
Z	4	CONTROL KNOB		
AA 3 TEMPERATURE GAUGE, UFC MOUNT				
,	Ĭ			
BB	1	UPPER BACK PANEL, F/ CART		
CC	1	LEFT SIDE SHELF, F/ SIDEBURNER		
DD	1	FASCIA, F/ LEFT SIDE SHELF		
EE	1	DRIP PAN, F/ SIDEBURNER		
FF	4	RUBBER BUMPER, ROUND, F/ LID		
GG	1	LID, F/ SIDEBURNER		
HH	1	SIDEBURNER		
	1	ELECTRODE, F/ SIDEBURNER		
JJ	1	RIGHT SIDE SHELF		
KK	1	FASCIA, F/ RIGHT SIDE SHELF		
	1	OUTER TOP LID		
MM	1	INNER LINER, F/ TOP LID		
NN	1	HANDLE F/ TOP LID		
00	2	BEZEL, F/ LID HANDLE		
PP	2 RUBBER BUMPER, RECTANGULAR, F/			
	[∠]	TOP LID		
QQ	1	LOGO PLATE		
	1			
RR		HARDWARE F/ TOP LID		

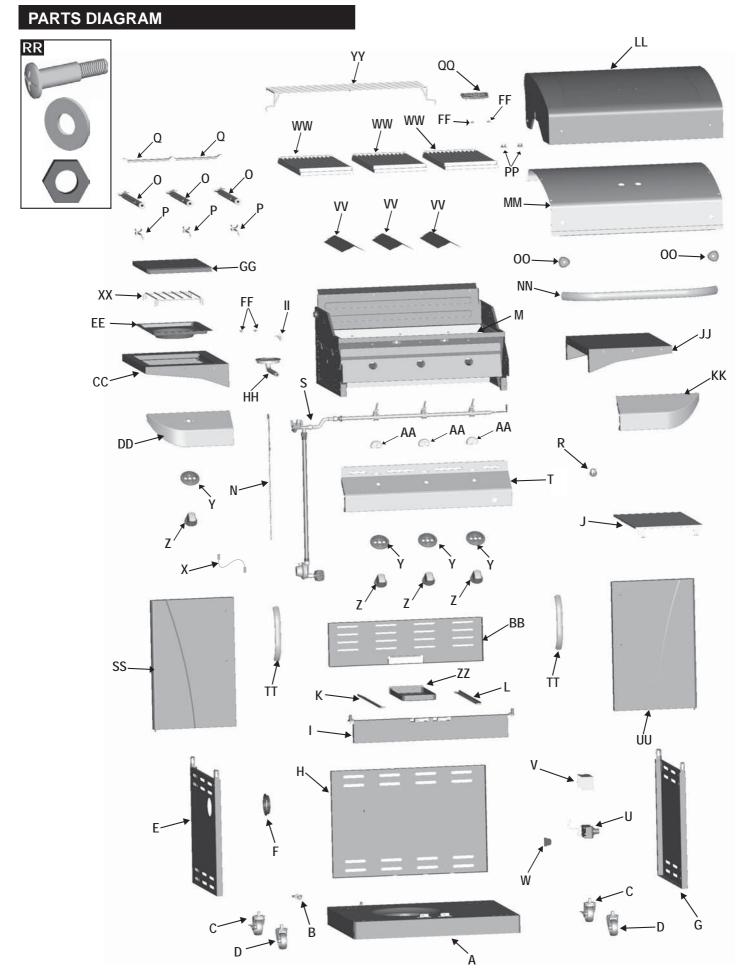
Key	Qty	Description
SS	1	LEFT DOOR, NO HANDLE
TT	2	DOOR HANDLE
UU	1	RIGHT DOOR, NO HANDLE
VV	3	FLAME TAMER
WW	3	COOKING GRATE
XX	1	GRATE, F/ SIDEBURNER
YY	1	WARMING RACK
ZZ	1	GREASE TRAY

Not Pictured:

Key	Qty	Description
	2	DOOR MAGNET
	1	CASTER WRENCH
	1	HARDWARE PACK
	1	ASSEMBLY MANUAL, ENGLISH
	1	ASSEMBLY MANUAL, SPANISH

Tools required for assembly: Caster Wrench - Provided • Phillips screwdriver - Not provided Estimated assembly time: 30-45 minutes

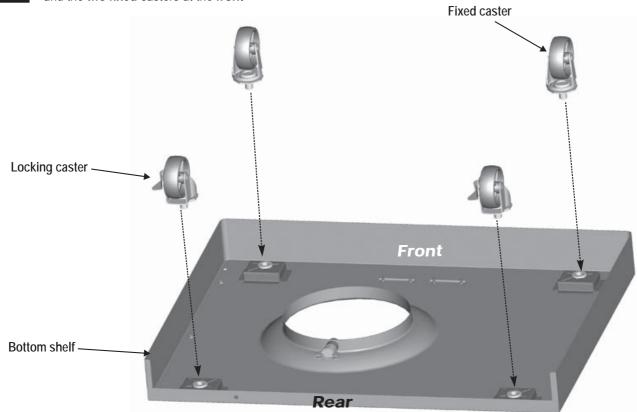
NOTE: Some grill parts shown in the assembly steps may differ slightly in appearance from those on your particular grill model. However, the method of assembly remains the same.

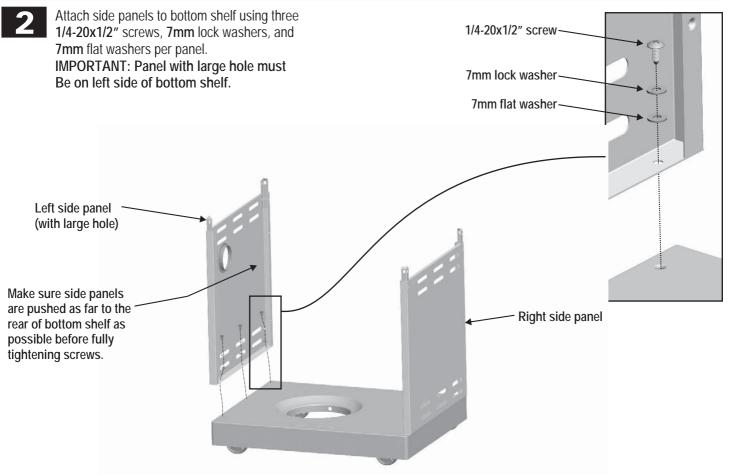


ASSEMBLY

1	

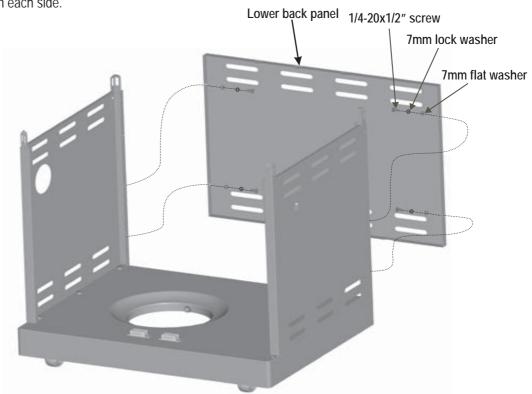
Attach the two **locking** casters at the **rear** of the bottom shelf and the two **fixed** casters at the **front**

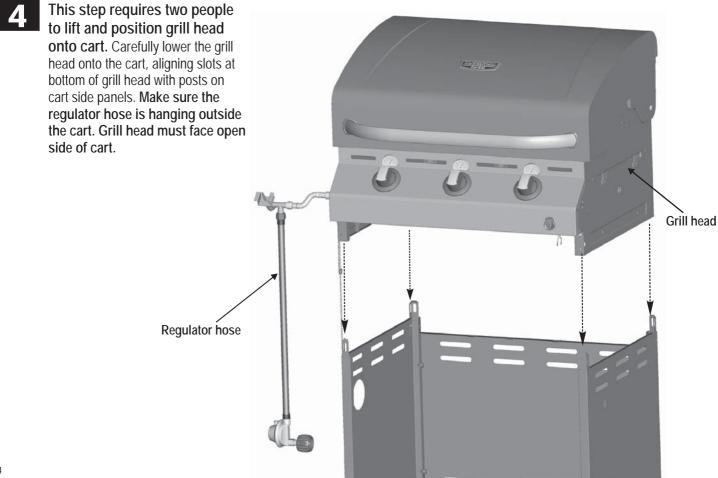




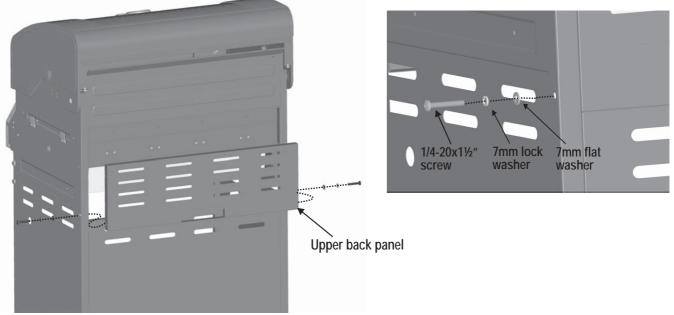
Place lower back panel between side panels at rear of bottom shelf. Secure lower back panel to side panels using four 1/4-20x1/2" screws, 7mm lock washers, and 7mm flat washers on each side.

3





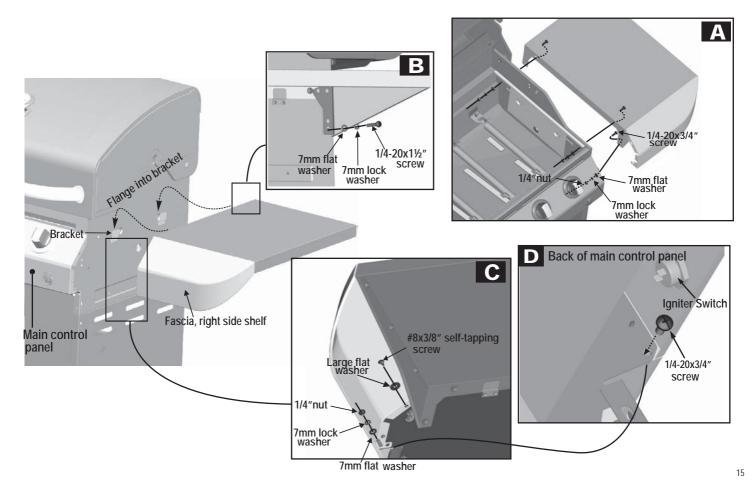
On back of grill, place upper back panel between side panels and above lower back panel. Secure upper back panel, in lower holes, using one 1/4-20x1½" screw, 7mm lock washer, and 7mm flat washer on each side. Do not fully tighten screws until side shelf installation is complete in later steps.



6

Insert flange on right side shelf into side shelf brackets on side of firebox.

Attach right side shelf using three 1/4"-20x3/4" screws, 7mm lock washers, 7mm flat washers, 1/4" nuts, shown A. Attach rear of shelf using one 1/4-20x1½" screw, 7mm lock washer, and 7mm flat washer in lower hole, shown B. Attach front of shelf and fascia using one #8x3/8" self-tapping screw and large flat washer, shown C. Attach front of shelf and fascia using one 1/4"-20x3/4" screw, 7mm lock washer, 7mm flat washer and 1/4" nut, shown D/C.

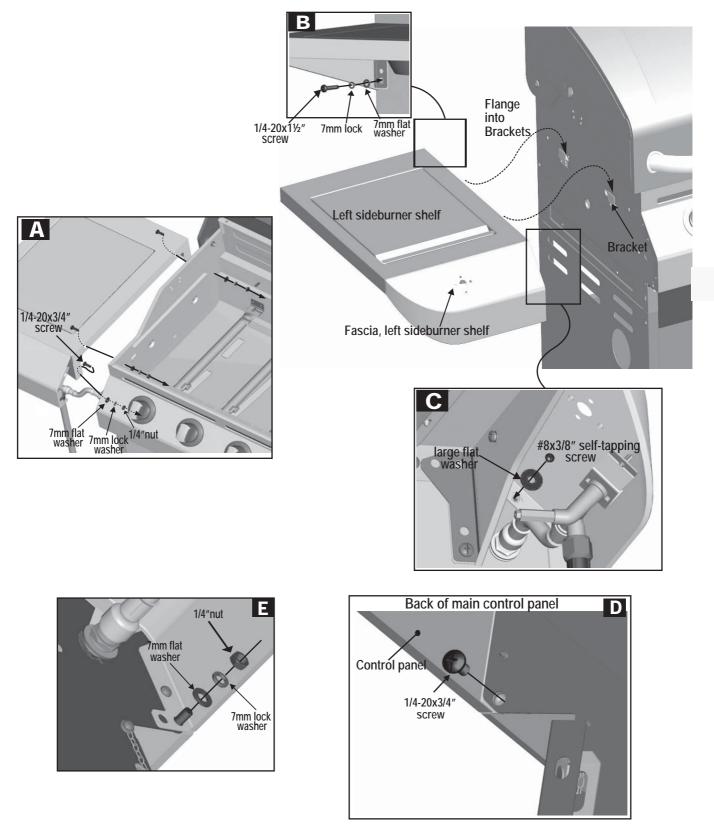


Insert flange on left sideburner shelf into side shelf brackets on side of firebox.

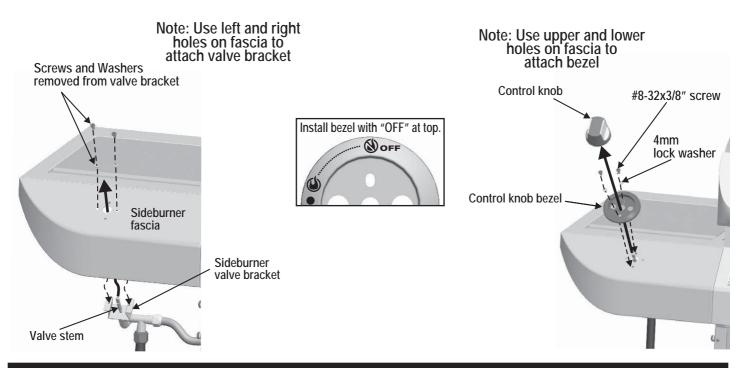
Attach left sideburner shelf using three 1/4-20x3/4" screws, 7mm lock washers, 7mm flat washers, 1/4" nuts, shown A. Attach rear of shelf using one 1/4-20x1½" screw, 7mm lock washer, and 7mm flat washer in lower hole, shown B. Attach front of shelf and fascia using one #8x3/8" self-tapping screw and large flat washer, shown C.

Under main control panel, attach front of shelf and fascia using one 1/4-20x3/4" screw, 7mm lock washer, 7mm flat washer and 1/4" nut, shown D/E.

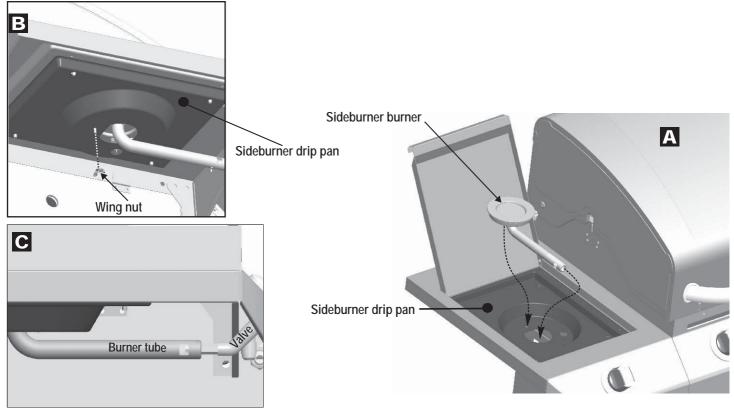
Now you may fully tighten lower screws on upper back panel.



B First, remove the two screws and lock washers factory attached to the sideburner valve bracket. Position sideburner valve bracket beneath sideburner shelf fascia so that valve stem comes through larger center hole in fascia. Align the holes on valve bracket with left and right holes on fascia. Secure using lock washers and screws that were removed from bracket. Next, place sideburner bezel over valve stem on front side of fascia. Align small holes on bezel with upper and lower holes on fascia. Attach using two **#8-32x3/8**" screws and **4mm** lock washers. Press sideburner control knob onto valve stem.

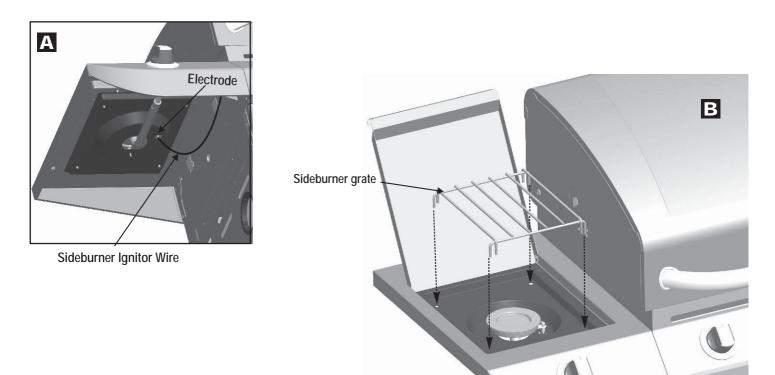


Insert sideburner burner into left shelf. The stud on bottom of burner fits into rear small hole in sideburner drip pan on shelf, shown **A**. Secure burner to sideburner drip pan with one Wing nut, shown **B**. Make sure burner tube engages sideburner valve, shown **C**.



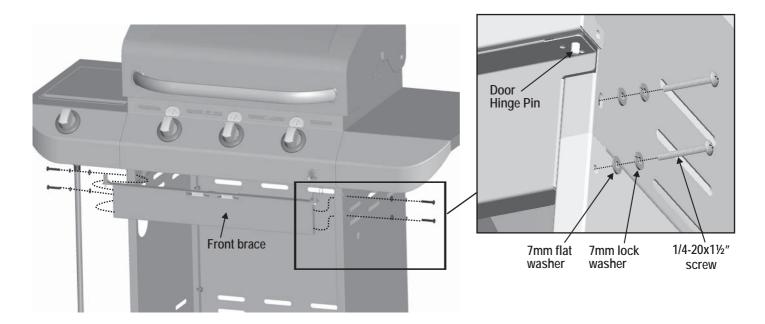


Under sideburner shelf, attach sideburner ignitor wire to electrode, shown **A**. Place sideburner grate onto sideburner shelf, aligning grate legs with holes in shelf, shown **B**.



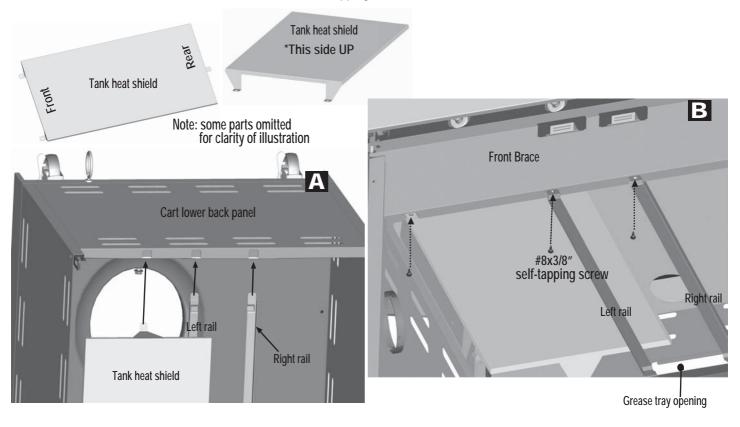


Insert front brace under control panel and between cart side panels. Make sure door hinge pins are on the top side and facing the front. Secure using two 1/4-20x1½" screws, 7mm lock washers, and 7mm flat washers on each side. NOTE: MAKE SURE THAT THE FRONT BRACE IS MOUNTED IN THE MOST DOWNWARD POSITION WHEN ASSEMBLED TO CART.

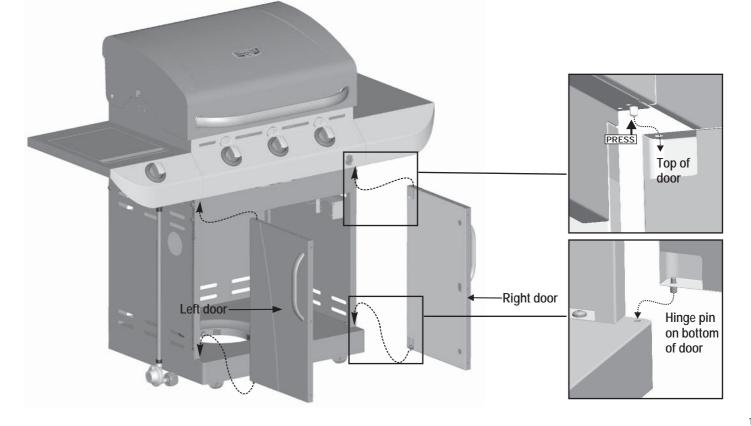




Inside of cart, insert rear shield tab into left slot on upper of lower back panel. Insert left and right grease tray rails into slots beneath grease tray opening in upper back panel, shown **A**. Attach front shield tabs under front brace and attach right and left rails under front brace with three **#8x3/8**" self-tapping screws, shown **B**.



3 Insert hinge pin on bottom of doors into hole in bottom shelf. Press upper hinge pin in front brace, align hinge hole on top of door, and release hinge pin into door.



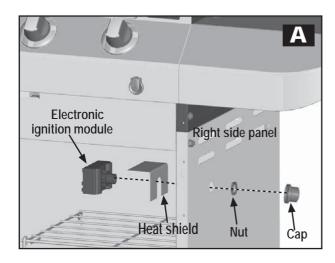


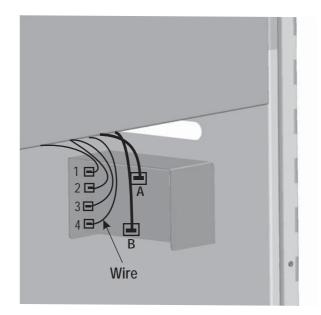
Release the cap and nut from electronic ignition module. Attach electronic ignition module and heat shield to the cart right side panel with the nut and cap, shown **A**.

Connect each of the wires from the main burner electrodes, and sideburner electrode into the back of the Electronic Ignition Module. Total (4) connections.

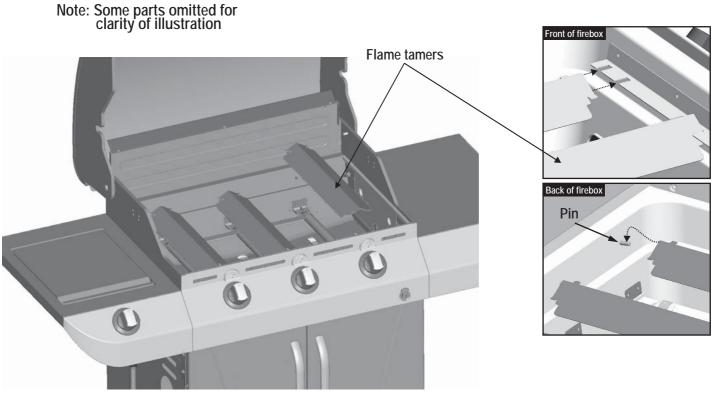
Connect the two wires(A and B) from the switch wiring harness into the back of the Electronic Ignition Module. Total (2) connections.

NOTE: Switch terminals are larger than electrode terminals and should only be installed in location shown as A,B.





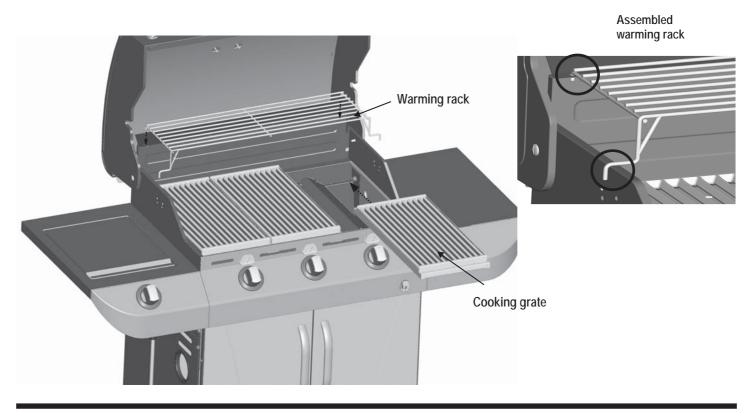
15 Install flame tamers by sliding one end of each flame tamer into slots at front of firebox and resting opposite end on pins in back of firebox.





Place cooking grates onto the firebox as shown. Insert the two wire ends at rear of warming rack into holes in back of 16 Place cooking grates onto the medoa as shown in the firebox. Front wires of warming rack rest on sides of firebox.

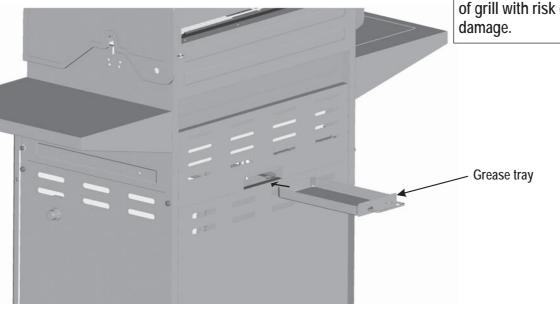
Note: Some parts omitted for clarity of illustration



On back of grill, slide grease tray into opening in upper back panel.

CAUTION

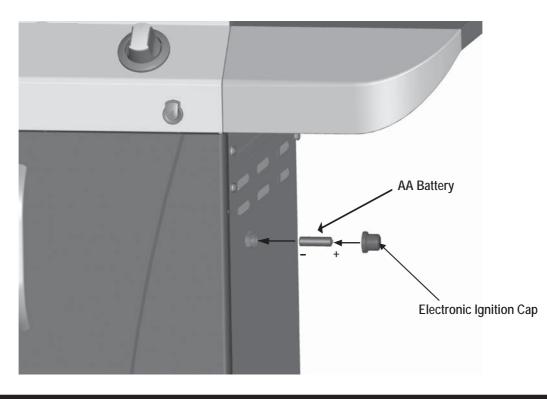
Failure to install grease tray will cause hot grease to drip from bottom of grill with risk of fire or property



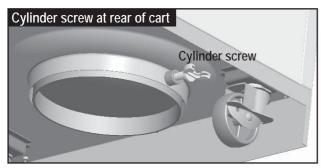


19

Unscrew electronic ignition cap on cart right side panel. Insert AA battery into ignitor, **negative (—) end first**. Replace the cap.



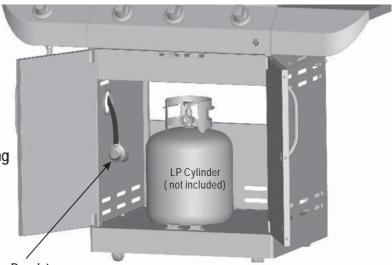
LP CYLINDER IS SOLD SEPARATELY. Fill and leak check the cylinder before attaching to grill and regulator (see Use & Care section). Once cylinder has been filled and leak checked, place cylinder into hole in bottom shelf. Make sure cylinder valve is facing front of grill. Secure cylinder with cylinder screw under bottom shelf. Insert regulator through large hole in left side panel. See Use & Care section of this manual to perform the "Burner Flame Check" and for important safety instructions before using.



Always keep LP cylinders in upright position during use, transport, and storage.



Cylinder valve must face to front of cart once tank is attached. Failure to install cylinder correctly may allow gas hose to be damaged in operation, resulting in the risk of fire.



Regulator

EMERGENCIES: If a gas leak cannot be stopped, or a fire occurs due to gas leakage, call the fire department.

Emergencies	Possible Cause	Prevention/Solution	
Gas leaking from cracked/cut/burned hose.	Damaged hose.	 Turn off gas at LP cylinder or at source on natural gas systems. If anything but burned, replace valve/hose/regulator. If burned, discontinue use of product until a plumber has investigated cause and corrections are made. 	
Gas leaking from LP cylinder.	 Mechanical failure due to rusting or mishandling. 	Replace LP cylinder.	
Gas leaking from LP cylinder valve.	 Failure of cylinder valve from mishandling or mechanical failure. 	Turn off LP cylinder valve. Return LP cylinder to gas supplier.	
Gas leaking between LP cylinder and regulator connection.	 Improper installation, connection not tight, failure of rubber seal. 	 Turn off LP cylinder valve. Remove regulator from cylinder and visually inspect rubber seal for damage. See LP Cylinder Leak Test and Connecting Regulator to the LP Cylinder. 	
Fire coming through control panel.	Fire in burner tube section of burner due to blockage.	• Turn off control knobs and LP cylinder valve. Leave lid open to allow flames to die down. After fire is out and grill is cold, remove burner and inspect for spider nests or rust. See Natural Hazard and Cleaning the Burner Assembly pages.	
Grease fire or continuous excessive flames above cooking surface.	Too much grease buildup in burner area.	• Turn off control knobs and LP cylinder valve. Leave lid open to allow flames to die down. After cooling, clean food particles and excess grease from inside firebox area, grease tray, and other surfaces.	

Troubleshooting

Problem	Possible Cause	Prevention/Solution
Burner(s) will not light using ignitor. (See Electronic Ignition Troubleshooting also) <i>Continued on next</i> <i>page.</i>	 Fossible Cause GAS ISSUES: Trying to light wrong burner. Burner not engaged with control valve. Obstruction in burner. No gas flow. Vapor lock at coupling nut to LP cylinder. Coupling nut and LP cylinder valve not fully connected. ELECTRICAL ISSUES: Electrode cracked or broken; "sparks at crack." Electrode tip not in proper position. Wire and/or electrode covered with cooking residue. Wires are loose or disconnected. Wires are shorting (sparking) between ignitor and electrode.	 See instructions on control panel and in Use and Care section. Make sure valves are positioned inside of burner tubes. Ensure burner tubes are not obstructed with spider webs or other matter. See cleaning section of Use and Care. Make sure LP cylinder is not empty. If LP cylinder is not empty, refer to "Sudden drop in gas flow." Turn off knobs and disconnect coupling nut from LP cylinder. Reconnect and retry. Turn the coupling nut approximately one-half to three-quarters additional turn until solid stop. Tighten by hand only - do not use tools. Replace electrode(s). Main Burners: Tip of electrode should be pointing toward gas port opening on burner. The distance should be 1/8" to 1/4". Adjust if necessary. Sideburner: Tip of electrode should be pointing toward gas port opening on burner. the distance should be 1/8" to 3/16". Adjust if necessary. Clean wire and/or electrode with rubbing alcohol and clean swab. Replace ignitor wire/electrode assembly. Replace with a new AA-size alkaline battery.

Troubleshooting (continued)

Problem	Possible Cause	Prevention/Solution	
Burner(s) will not light using ignitor.	ELECTRONIC IGNITION: • No spark, no ignition noise.	See Section I of Electronic Ignition System.	
(See Electronic Ignition Troubleshooting also)	 No spark, some ignition noise. 	See Section II of Electronic Ignition System.	
	 Sparks, but not at electrode or at full strength. 	See Section III of Electronic Ignition System.	
	PIEZO PUSH-BUTTON AND ROTARY: • Push-button sticks at bottom.	Replace ignitor.	
	 Rotary knob rotates without clicking. 	Replace knob.	
	Sparking between ignitor and electrode.	 Inspect wire insulation and proper connection. Replace wires if insulation is broken. 	
Burner(s) will not	See "GAS ISSUES:" on previous page.		
match light.	Match will not reach.	Use long-stem match (fireplace match).	
	Improper method of match-lighting.	See "Match-Lighting" section of Use and Care.	
Sudden drop in gas	• Out of gas.	Check for gas in LP cylinder.	
flow or low flame.	 Excess flow valve tripped. 	 Turn off knobs, wait 30 seconds and light grill. If flames are still low, turn off knobs and LP cylinder valve. Disconnect regulator. Reconnect regulator and leak-test. Turn on LP cylinder valve, wait 30 seconds and then light grill. 	
	 Vapor lock at coupling nut/LP cylinder connection. 	Turn off knobs and LP cylinder valve. Disconnect coupling nut from cylinder. Reconnect and retry.	
Flames blow out.	High or gusting winds.	Turn front of grill to face wind or increase flame height.	
	• Low on LP gas.	Refill LP cylinder.	
	Excess flow valve tripped.	Refer to "Sudden drop in gas flow" above.	
Flare-up.	Grease buildup.	Clean burners and inside of grill/firebox.	
	Excessive fat in meat.	Trim fat from meat before grilling.	
	Excessive cooking temperature.	Adjust (lower) temperature accordingly.	
Persistent grease fire.	 Grease trapped by food buildup around burner system. 	Turn knobs to OFF. Turn gas off at LP cylinder. Leave lid in position and let fire burn out. After grill cools, remove and clean all parts.	
Flashback (fire in burner tube(s)).	Burner and/or burner tubes are blocked.	 Turn knobs to OFF. Clean burner and/or burner tubes. See burner cleaning section of Use and Care. 	
Unable to fill LP cylinder.	 Some dealers have older fill nozzles with worn threads. 	 The worn nozzles don't have enough "bite" to engage the valve. Try a second LP dealer. 	
One burner does not light from other burner(s).	 Grease buildup or food particles in end(s) of carryover tube(s). 	Clean carry-over tube(s) with wire brush.	

Troubleshooting - Electronic Ignition

Problem (Ignition)	Possible Cause	Check Procedure	Prevention/Solution
SECTION I No sparks appear at any electrodes when ignition button is	 Battery not installed properly. 	Check battery orientation.	 Install battery (make sure that "+" and "-" connectors are oriented correctly, with "+" end up and "-" end down.)
pushed; no noise can be heard from spark module.	Dead battery.	 Has battery been used previously? 	Replace battery with new AA-size alkaline battery.
	Button assembly not installed properly.	Check to insure threads are properly engaged. Button should travel up and down without binding.	 Unscrew button cap assembly and reinstall, making sure threads are aligned and engaged fully.
	Faulty spark module.	 If no sparks are generated with new battery and good wire connections, module is faulty. 	Replace spark module assembly.
SECTION II No sparks appear at any electrodes when ignition switch is pushed; noise can be heard from spark module.	Output lead connections not connected.	Are output connections on and tight?	 Remove and reconnect all output connections at module and electrodes.
SECTION III Sparks are present but not at all electrodes and/or not	 Output lead connections not connected. 	 Are output connections on and tight? 	 Remove and reconnect all output connections at module and electrodes.
at full strength	Arcing to grill away from burner(s).	 If possible, observe grill in dark location. Operate ignition system and look for arcing between output wires and grill frame. 	 If sparks are observed other than from burner(s), wire insulation may be damaged. Replace wires.
	Weak battery.	All sparks present but weak or at slow rate.	Replace battery with a new AA-size alkaline battery.
	Electrodes are wet.	Has moisture accumulated on electrode and/or in burner ports?	Use paper towel to remove moisture.
	Electrodes cracked or broken "sparks at crack".	 Inspect electrodes for cracks. 	Replace cracked or broken electrodes.

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4	IMPORTANT!/¡IMPORTANTE!/IMPORTANT! Write Serial Number and Model Number in spaces below. Escriba en los espacios de abajo el número de serie y el número de modelo. Inscrivez le numéro de série et le numéro de modèle dans les espaces ci-dessous.	 7 Store Name/Nombre de la tienda/Nom du magasin 8 Purchase Price/Precio de compra/Prix d'achat .00 	
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