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Charbroil 463230512 Owner's Manual

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----- Manual continues below part list -----

Available Replacement Parts for Charbroil 463230512

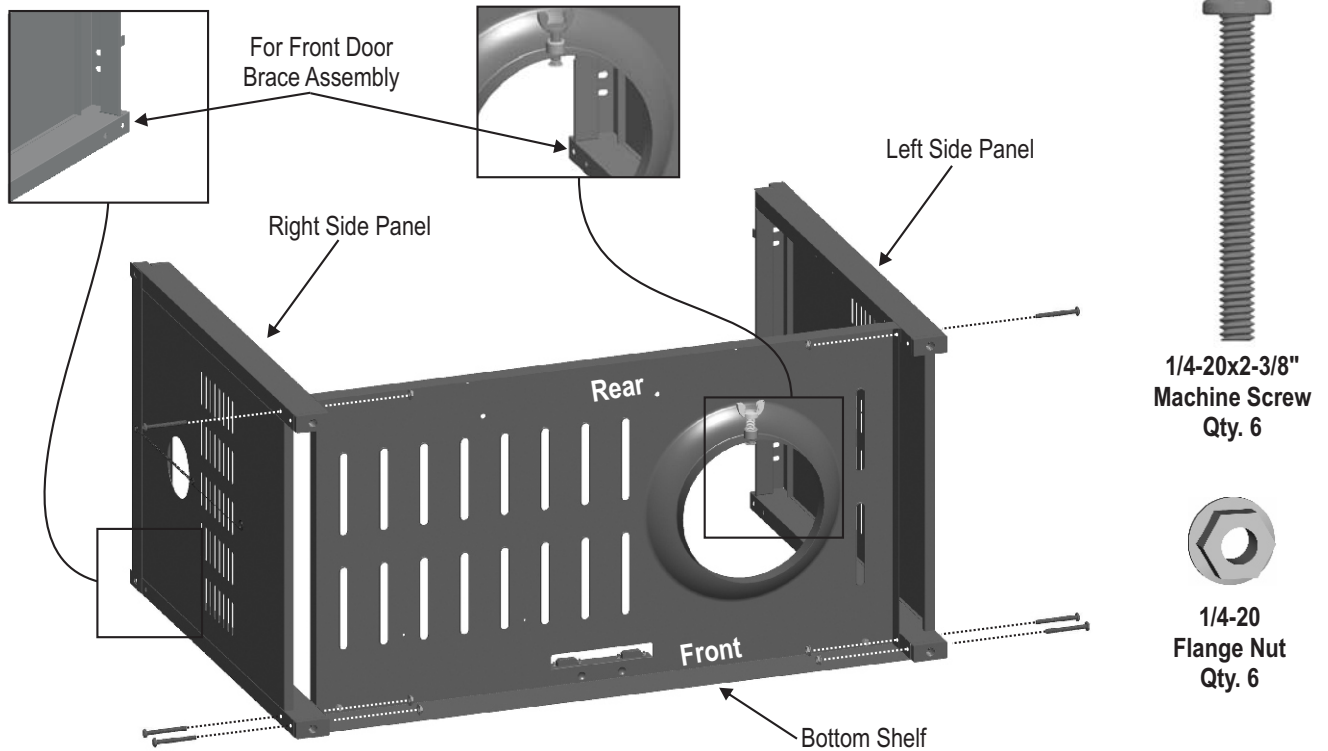
01800	control knob
G350-0024-W2	Fixed Caster. Fits multiple RED, Quantum
G416-0015-W1	Grease Pan. Measures approximately: 7.7"
G508-0039-W1	Match Holder And Chain.
05592	burner, cross-over, 6.375 x 0.8125, Char
g409-0030-w1	Button For Electronic Module. Measures a
g431-0300-w2A	Burner Tube Stainless Steel (R
G430-0005-W1	Porcelain Heat Tent
15491	burner, ss, 14.375 x 1; Charbroil
G430-0018-W1	Kit For Sideburner Lid. Measures approxi
G432-0010-W1	Control Knob. Measures approximately: 2"
G404-0034-W1	Bezel For Thermometer. Fits multiple Ken
G430-00B8-W1	Lid Bumper Rectangle.
G430-0027-W2	Bezel Plastic Chrome Plate. Fits multipl
G405-0019-W1	Sideburner Valve Clip.
G501-0010-W1	Electrode Main Burner. Fits multiple Des
G602-0007-W1	Wire For Side Burner Electrode. Fits mul
G408-0036-W1	Caster Socket. Measures approximately: 2
G430-0053-W1	Sideburner Grate. Black porcelain grate.
G651-1100-W1	Main Burner-Bar Burner. Measures approxi
G651-1206-W1	Shield For Tank. Measures approximately:
G651-1300-W1	Electronic Ignition Module. Measures app
G308-0025-W1	Heat Shield For Electronic Ignition Modu
G651-0005-W1	Tool Hook.
G651-1000-W1	Lower Back Panel. Measures approximately
G651-1200-W1A	Grease Tray.
G438-0020-W1	Cooking Grate. Gloss black cast iron coo
G651-0002-W1	Warming Rack. Chrome plated warming rack
G430-0034-W2	Drip Pan For Sideburner. Measures approx
05223	electrode; Coleman

68764	grid, ci, 16.875 x 37.25; Chb
G350-0026-W1	Caster Pin.
G350-0023-W2	Caster Locking. Fits Commercial Series,
04432	electrode; Kenmore, Nexgrill, Tera Gear
G401-0053-W1	Fixed Door Pin.
G439-0036-W2	Door Pin Spring.
G430-0042-W2	Electrode, F/ Sideburner. Measures appro
G651-0009-W1	Handle For Door. Stainless steel grill d
G430-0022-W2	Temperature Gauge
G65103-B001-W1B	Hardware Pack.
00018	HEAT INDICATOR
03333	SPARK GENEATOR; OUTDOOR GOURMET
G550-5600-W1A	Sideburner. Includes one crimp burner an
G651-0004-W2	Towel Bar. Measures approximately: 12" L
G211-0047-W1	Logo Plate For Lid. Measures approximate
G430-0024-W5	Hardware For Top Lid.
G651-8800-W1A	Hose Valve Regulator.
G651-L902-W2	Flame Carry Over Tube. Measures approxim

ASSEMBLY

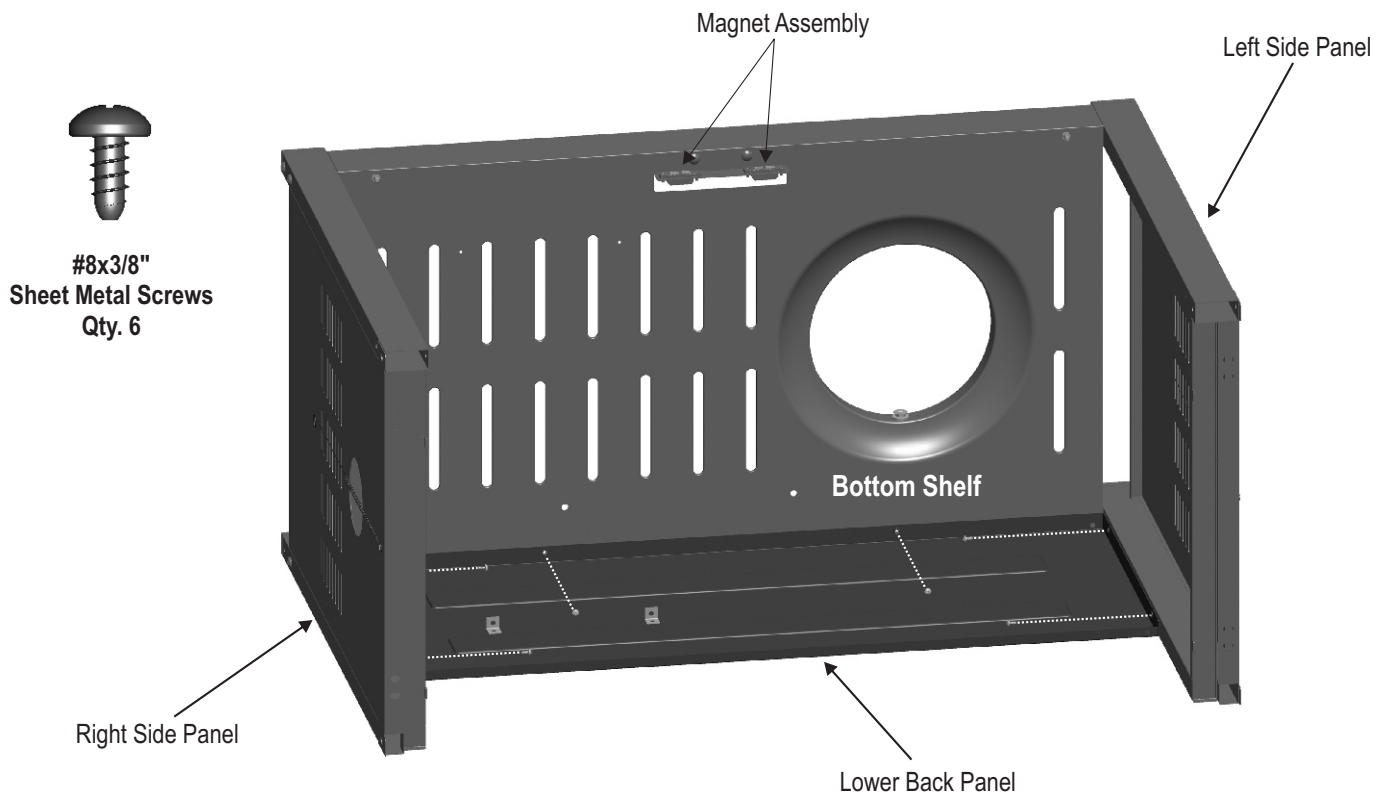
1

- Place bottom shelf between side panels with cut out hole for LP cylinder on left. Attach to left and right side panels with (4) **1/4-20x2-3/8" machine screws** and **1/4-20 flange nuts** at front, and (2) **1/4-20x2-3/8" machine screws** and **1/4-20 flange nuts** at rear.



2

- Place lower back panel between side panels as shown. Attach to left and right side panels with (4) **#8x3/8" sheet metal screws**. Then attach to bottom shelf with (2) **#8x3/8" sheet metal screws**.

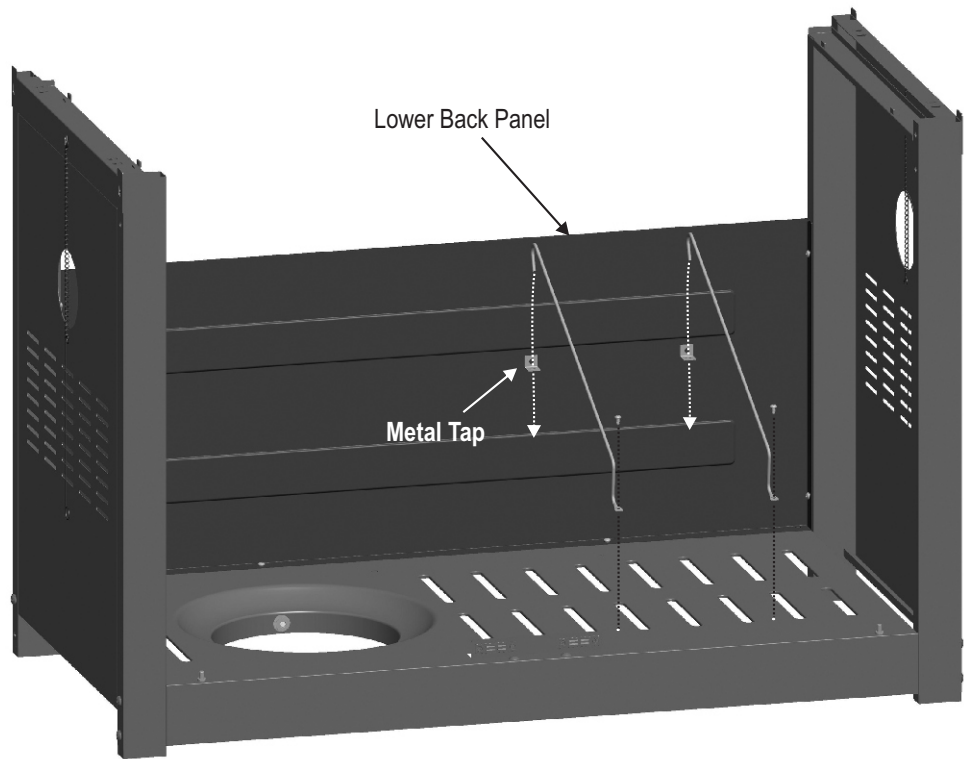


3

- Hook tank exclusion wire onto the metal taps on lower back panel, attach other ends to bottom shelf with (2) **#8x3/8"** sheet metal screws.

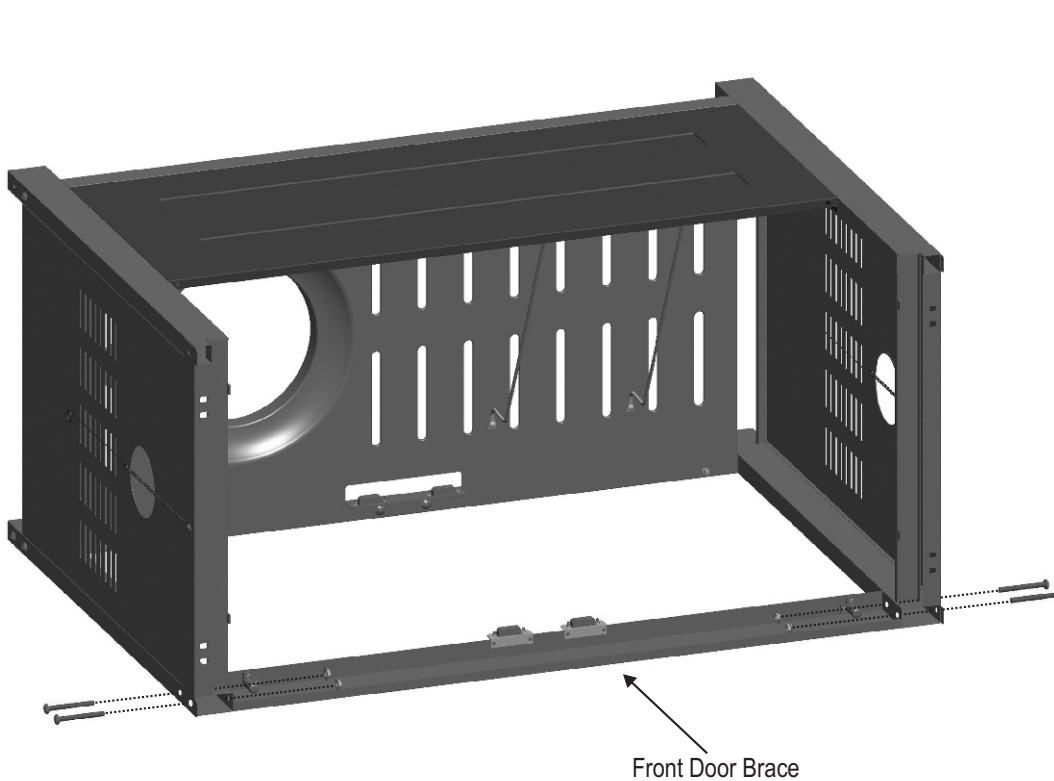


#8x3/8"
Sheet Metal Screws
Qty. 2



4

- Place front door brace as shown. Attach to left and right side panels with (4) **1/4-20x2-3/8"** machine screws and (4) **1/4-20** flange nuts.



1/4-20
Flange Nut
Qty. 4



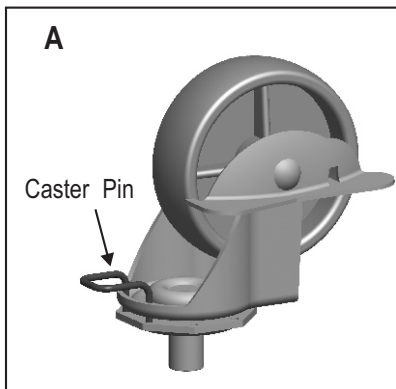
1/4-20x2-3/8"
Machine Screw
Qty. 4

5

- Turn assembly upside down.
- Insert Caster Pin into the caster mounting plate to lock it in place, shown A. Spin the caster clockwise into the threads on the legs until secure. Remove the Caster Pin and repeat for remaining casters. Make sure the two locking casters are secured at the rear and the non-locking casters are secured at the front. After all 4 casters are secure remove the Caster Pin and save for future maintenance (B).
- Stand cart upright.
- Attach weight block to bottom shelf with (2) 1/4-20x2" machine screws and (2) 1/4-20 flange nuts (C).

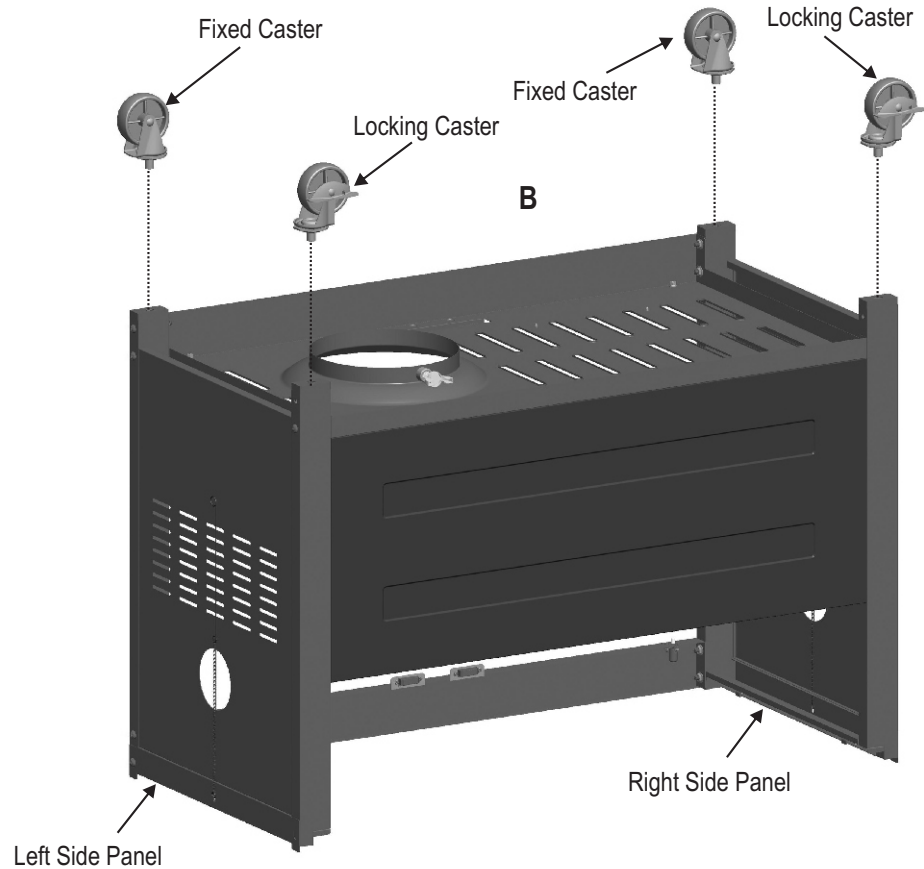


Caster Pin



A

Caster Pin



Fixed Caster

Locking Caster

Fixed Caster

Locking Caster

B

Left Side Panel

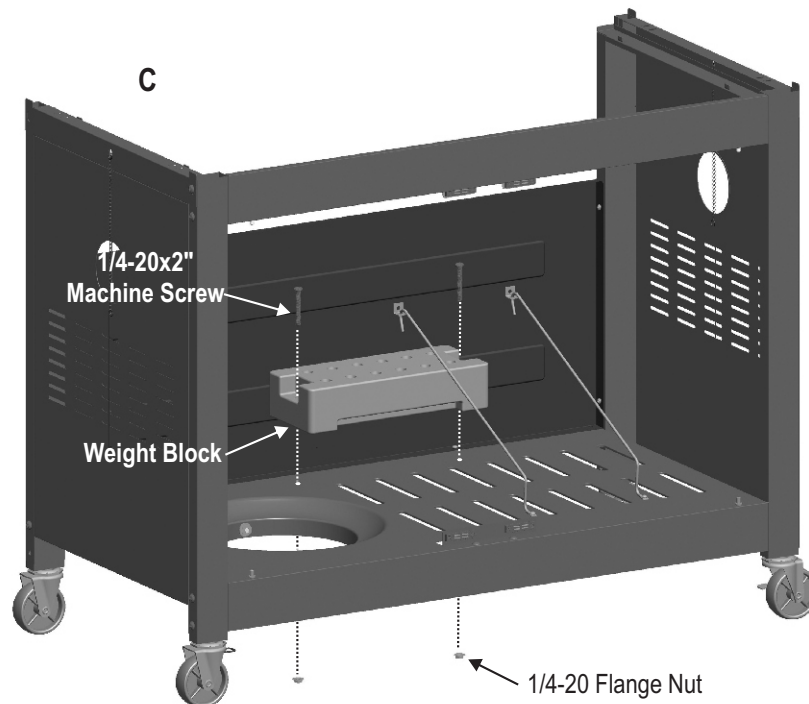
Right Side Panel



1/4-20x2"
Machine Screw
Qty. 2



1/4-20
Flange Nut
Qty. 2



C

1/4-20x2"
Machine Screw

Weight Block

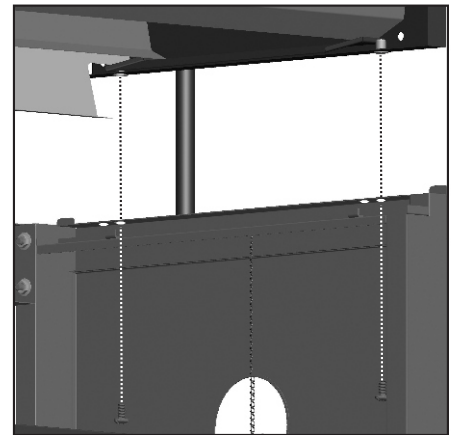
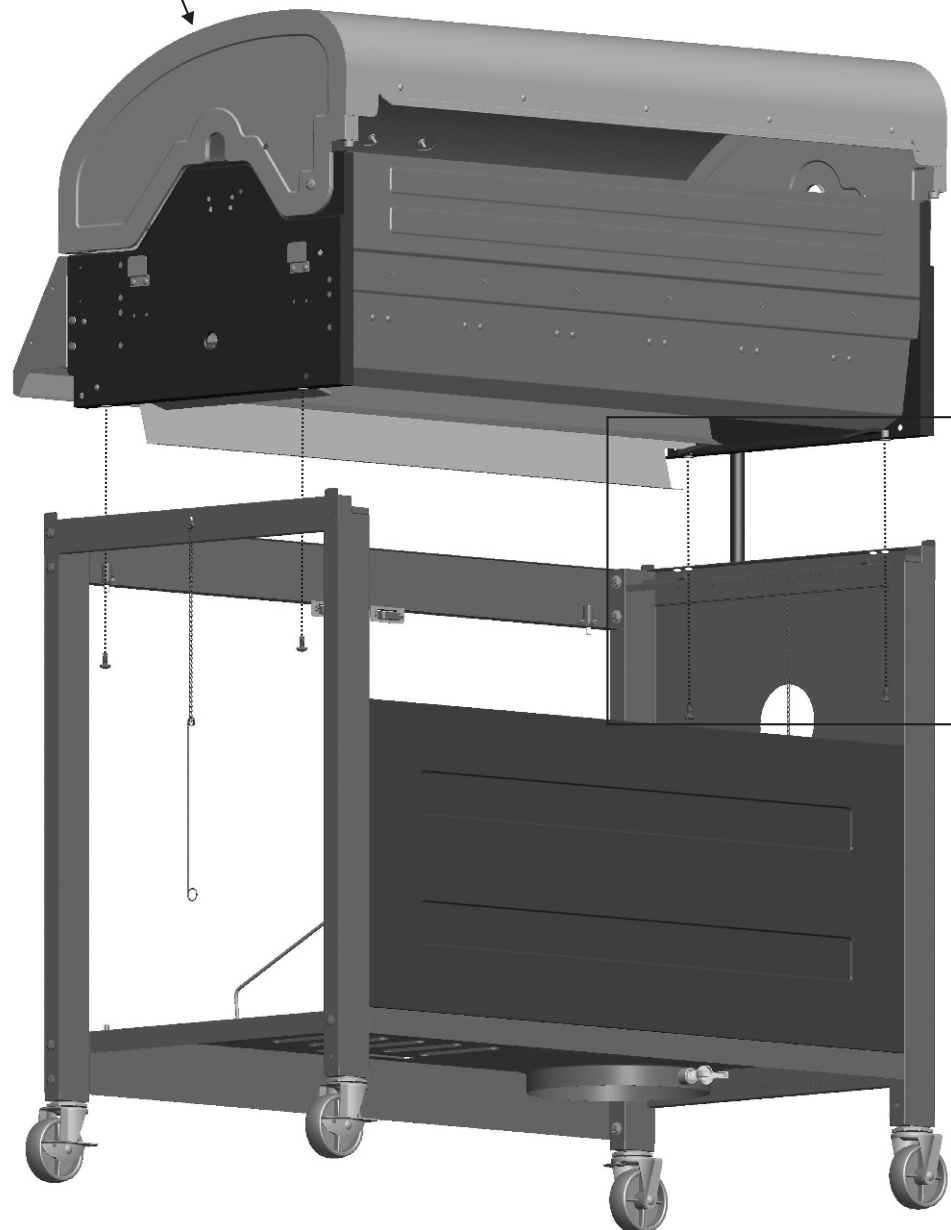
1/4-20 Flange Nut

6

- This step requires two people to lift and position grill head onto cart.
- Carefully lower the grill head onto the cart. Make sure the regulator hose is hanging outside the cart. Attach with (2) 1/4-20x1/2" screws.

Right side panel removed for clarity

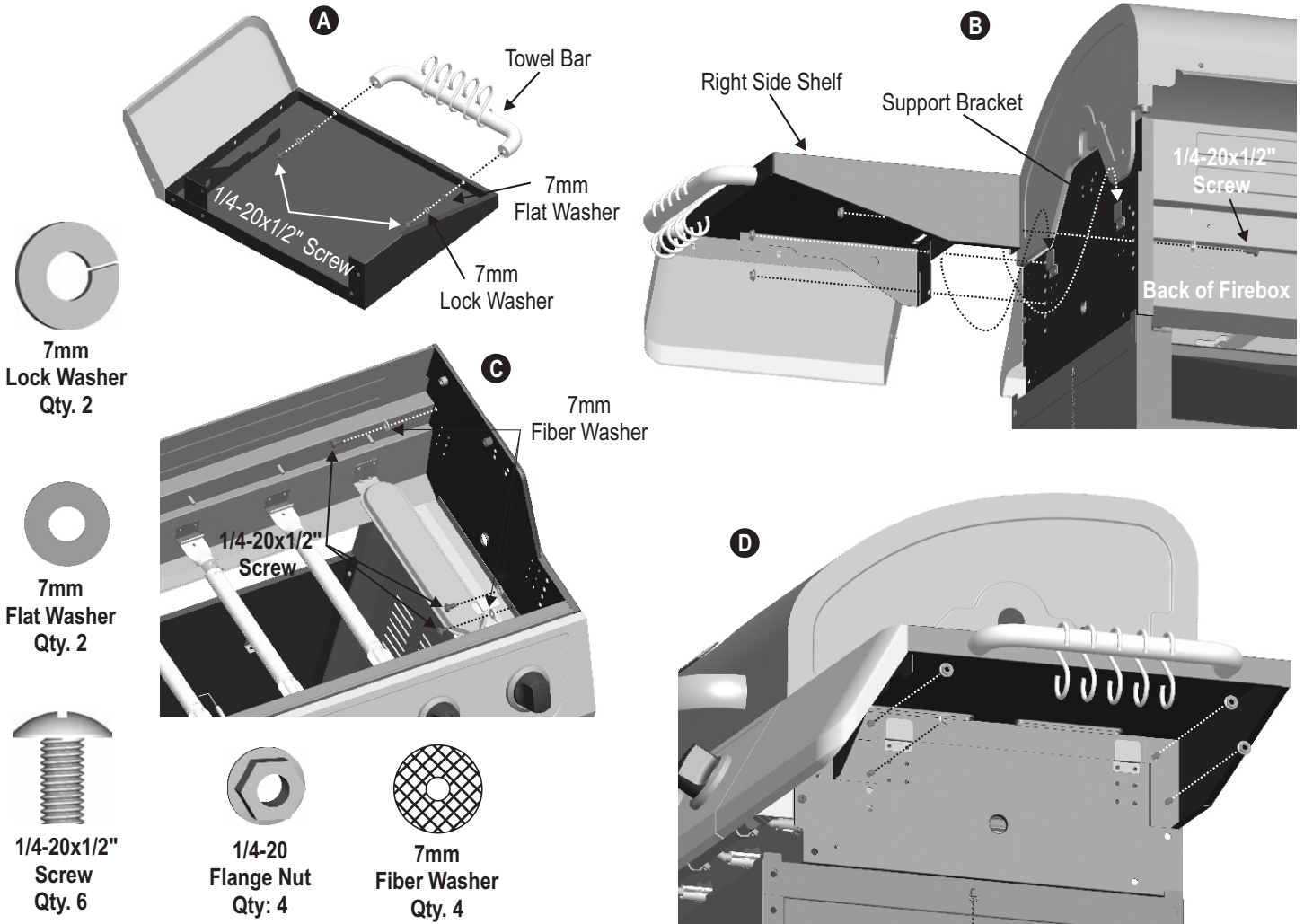
Grill Head



1/4-20x1/2" Screw
Qty. 4

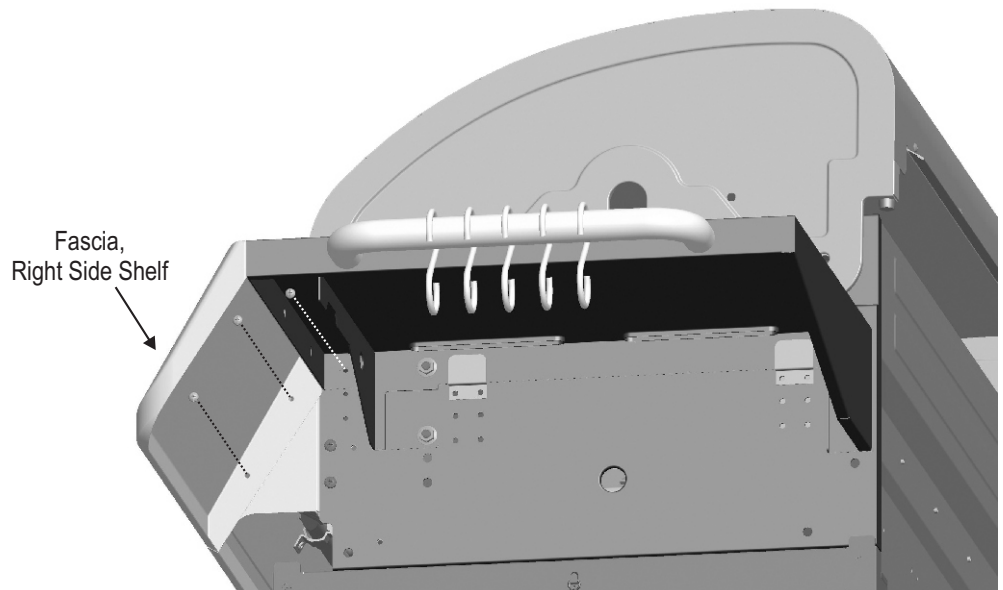
7

- Attach towel bar to right side shelf with **1/4-20x1/2" Screws** , **7mm lock washers** and **7mm flat washers (A)**.
- Hook side wall of shelf over support brackets on side of firebox (**B**).
- Inside firebox attach right side shelf with (3) **7mm fire washers** and **1/4-20x1/2" screws**, as shown (**C**). At back of firebox, attach the right side shelf with (1) **7mm fire washer** and **1/4-20x1/2" screw**, as shown (**B**).
- Attach right side shelf with (4) **1/4-20 flange nuts**, as shown (**D**).



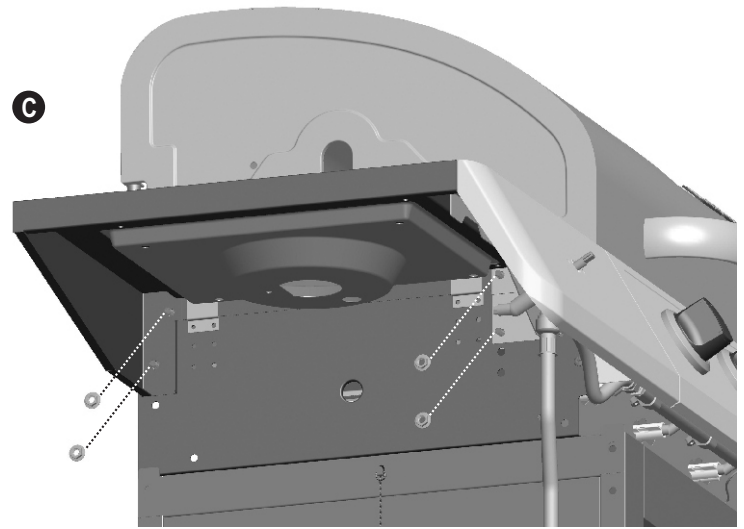
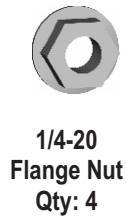
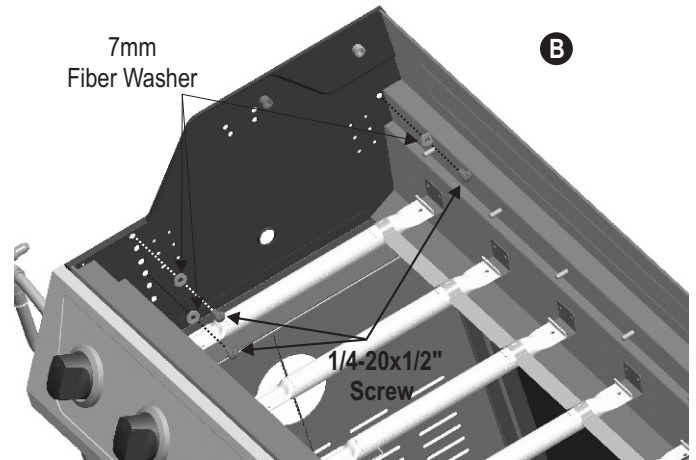
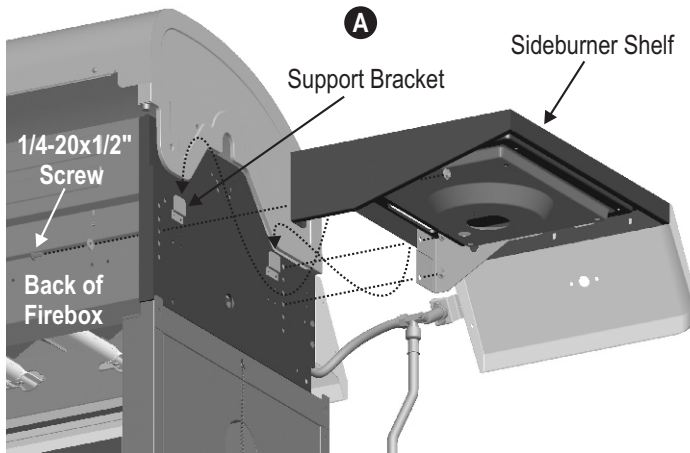
8

- Attach fascia to firebox with (3) **#8x3/8" sheet metal screws**.



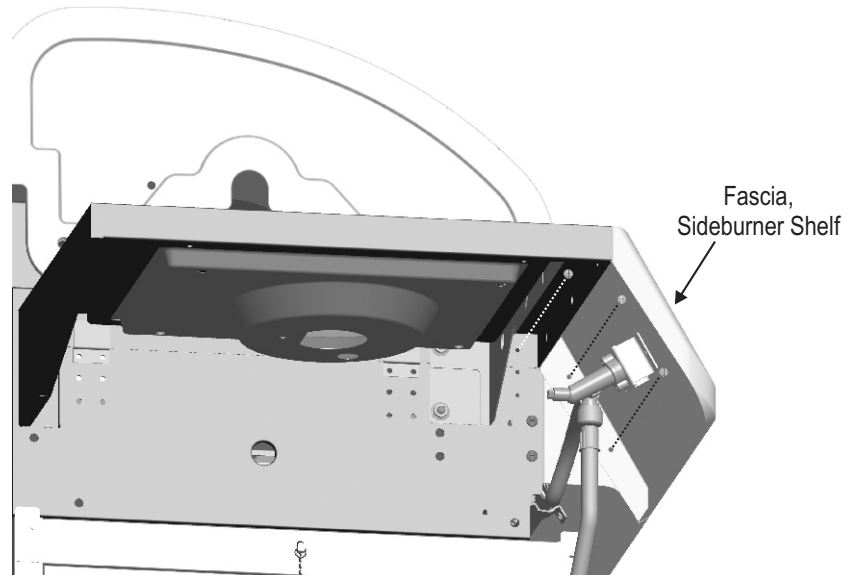
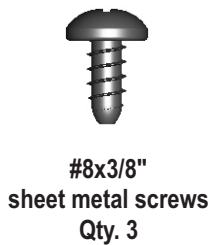
9

- Hook side wall of sideburner shelf over support brackets on side of firebox (A).
- Inside firebox attach sideburner shelf with (3) 7mm fiber washers and 1/4-20x1/2" screws, as shown (B). At back of firebox, attach the sideburner shelf with (1) 7mm fiber washer and 1/4-20x1/2" screw, as shown (A).
- Attach sideburner shelf with (4) 1/4-20 flange nuts, as shown (C).



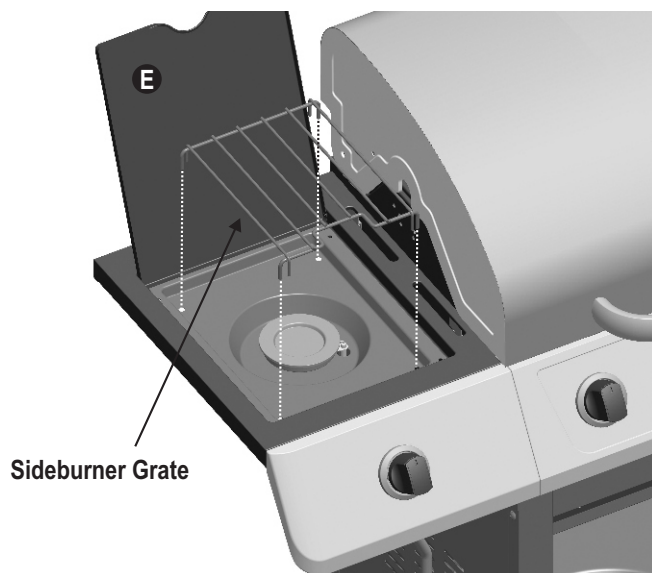
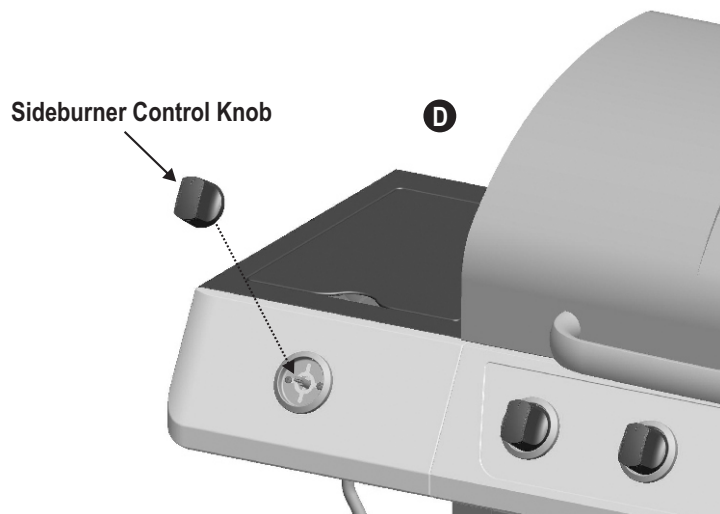
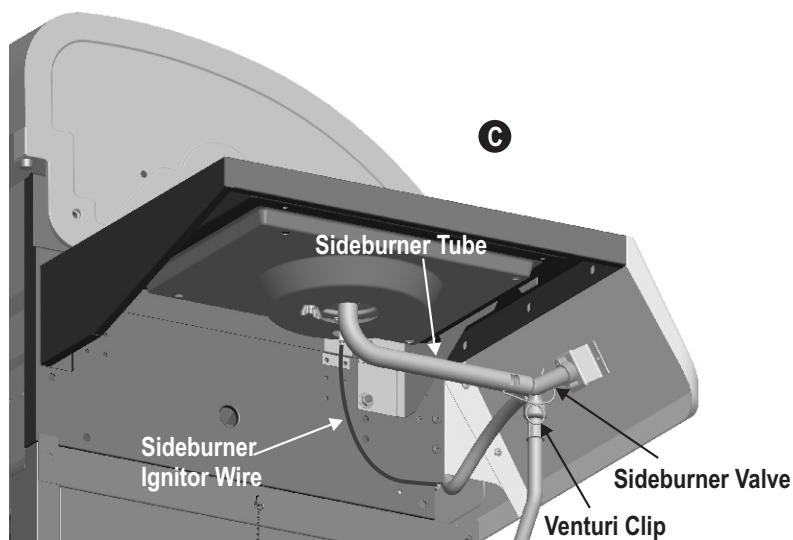
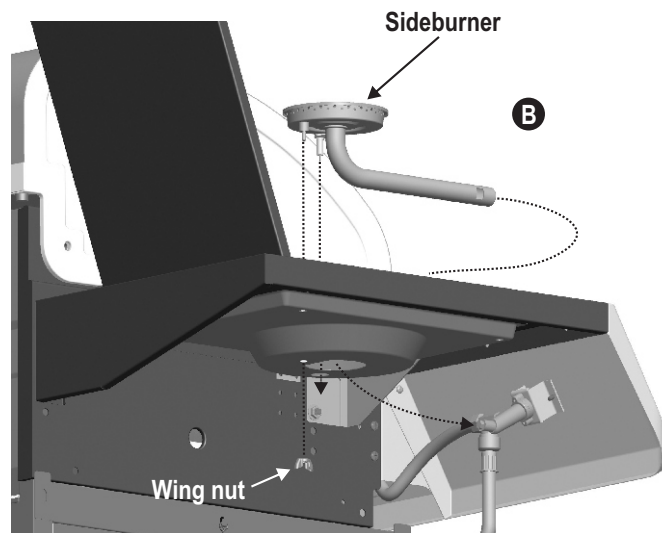
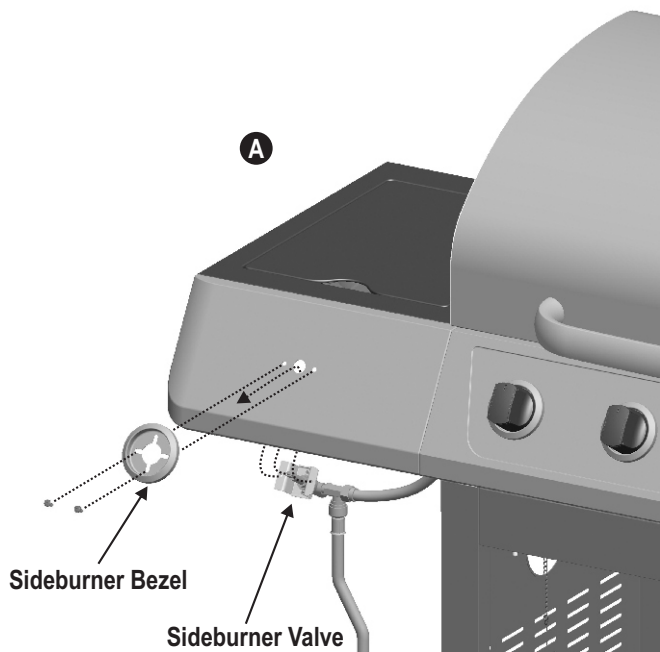
10

- Attach fascia to firebox with (3) #8x3/8" sheet metal screws.



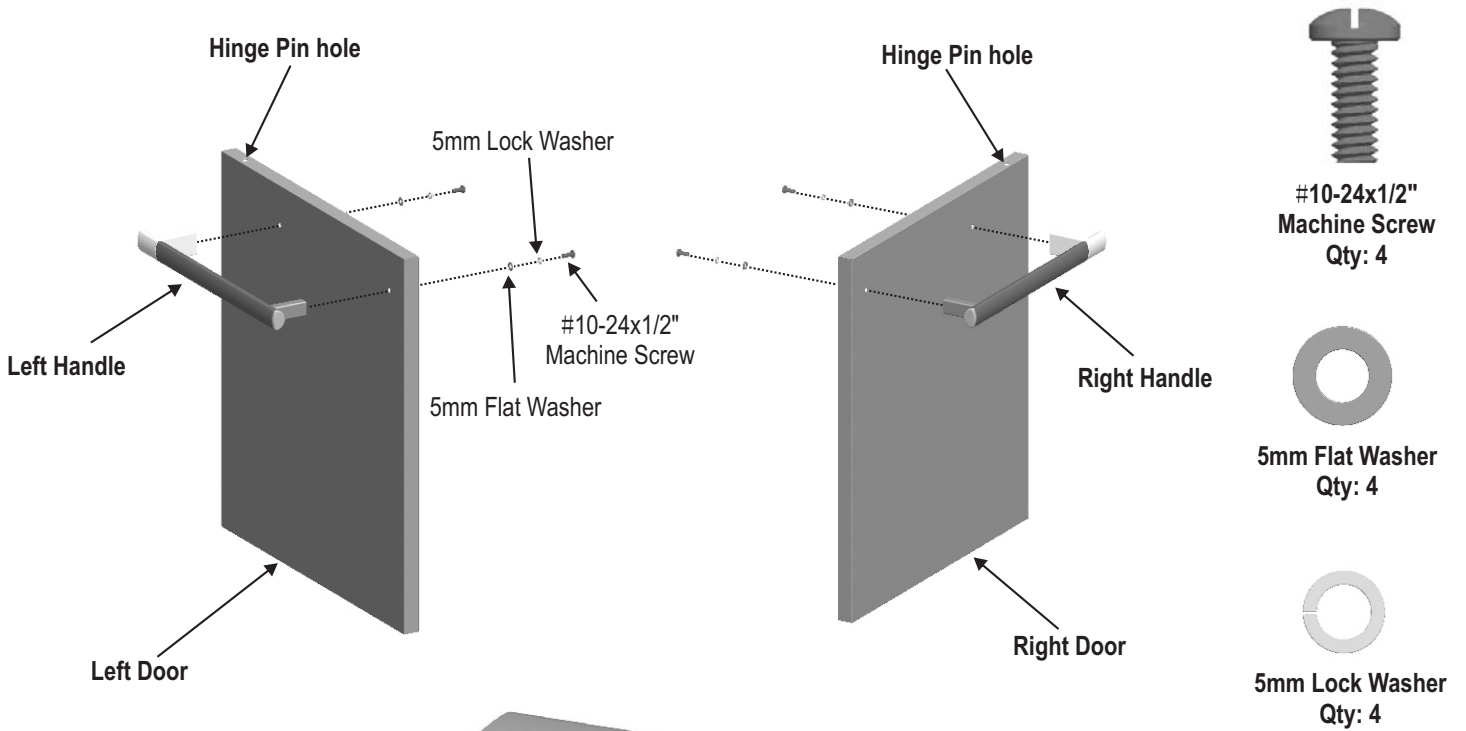
11

- Attach sideburner bezel and valve with (2) #8x3/8" SS screws. (A).
- Place sideburner into shelf. Make sure valve is inside sideburner tube. Attach sideburner with (1) wing nut (B). Hook venturi clip to sideburner tube and around manifold. Attach sideburner ignitor wire (C).
- Press sideburner control knob onto valve stem (D).
- Place grate onto sideburner shelf (E).



12

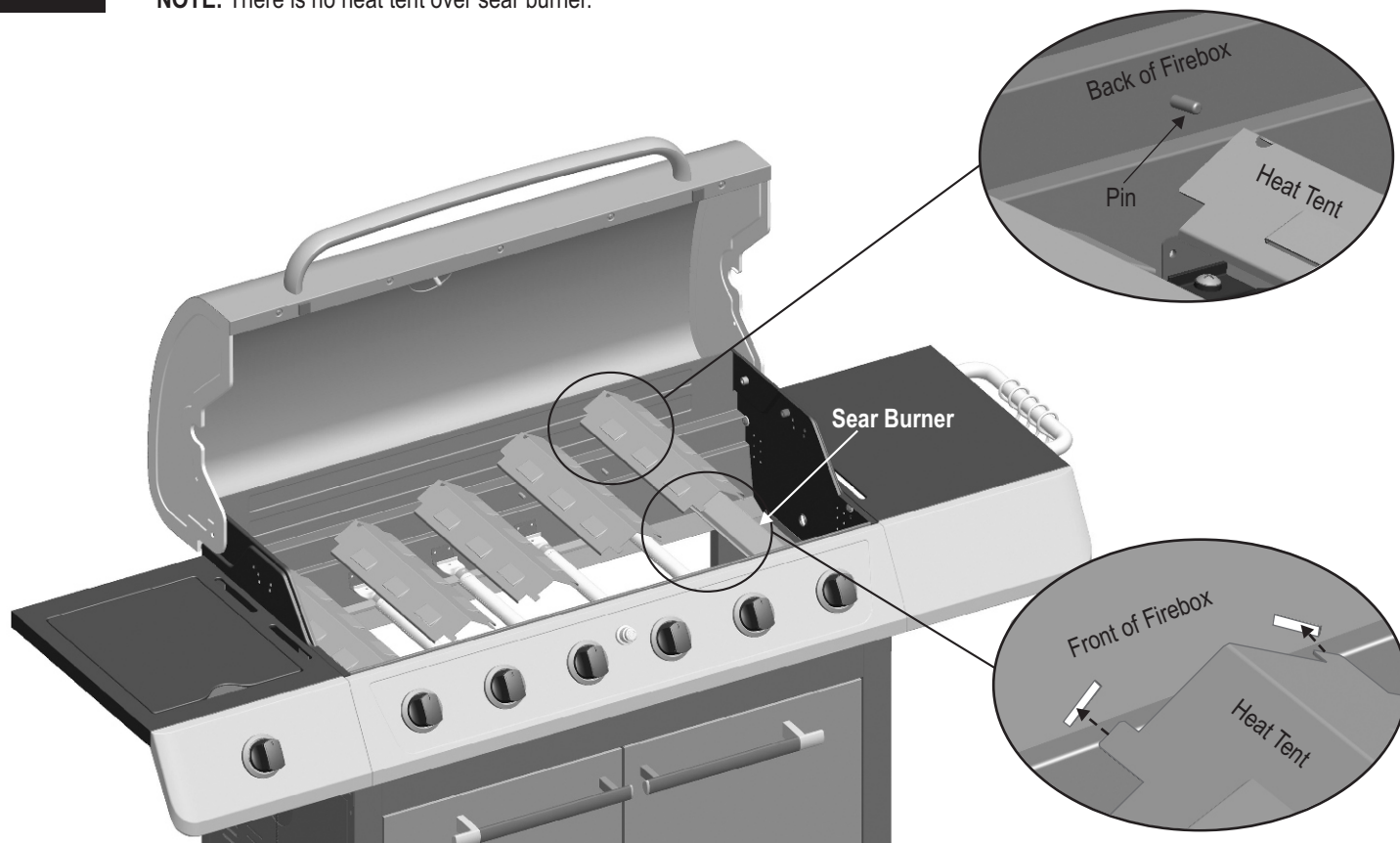
- Attach handle to door with (4) **#10-24x1/2" machine screws**, **5mm flat washers** and **5mm lock washers (A)**.
- Insert hinge pin on bottom shelf into hole in door. Press upper hinge pin in front door brace, align hinge hole on top of door, and release hinge pin into door.



13

- Place heat tents over tube burners by inserting tabs into slots in front of firebox. Opposite ends of heat tents rest on pins in back of firebox.

NOTE: There is no heat tent over sear burner.

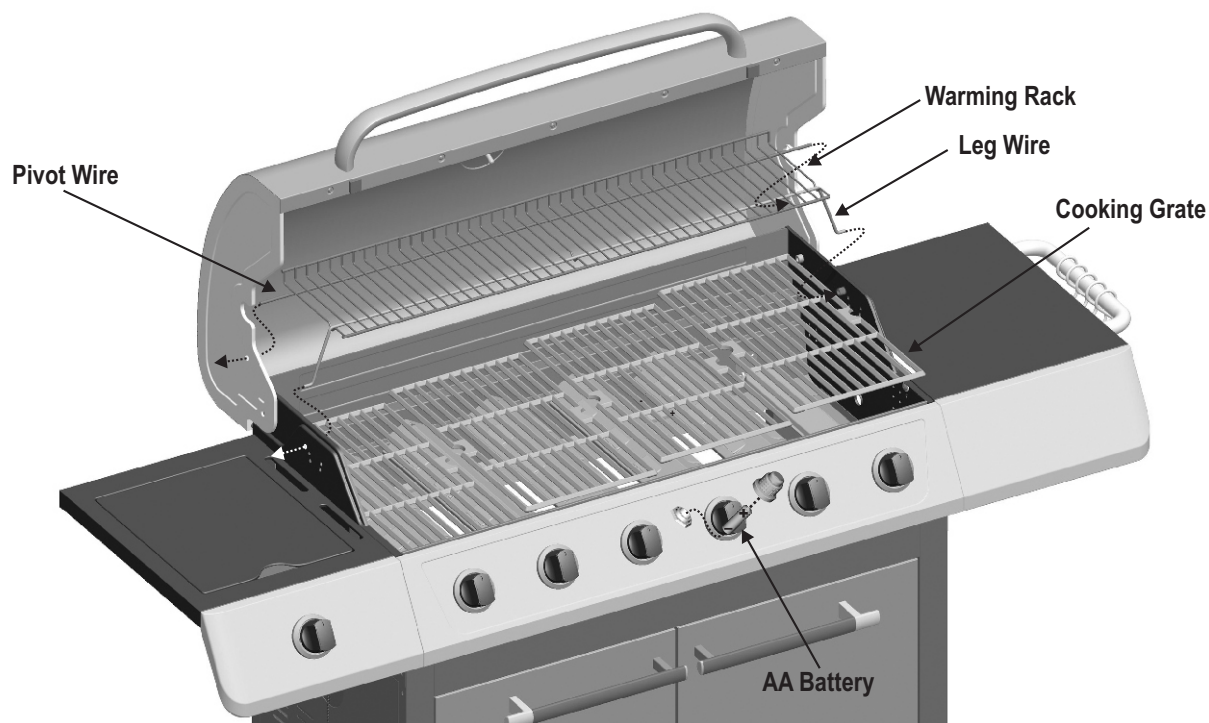


14

- Place cooking grates onto grate rests.
- Insert ends of Warming Rack pivot wire into holes in sides of grill lid. Insert ends of Warming Rack leg wire into holes in sides of firebox.

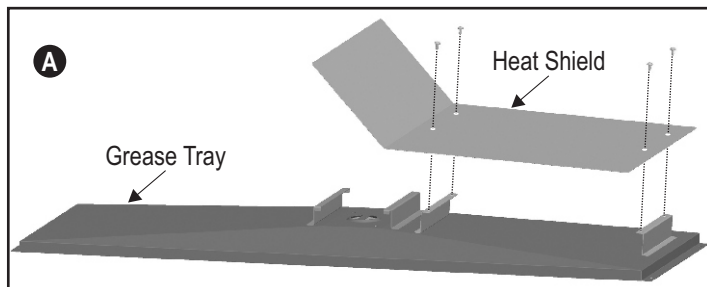
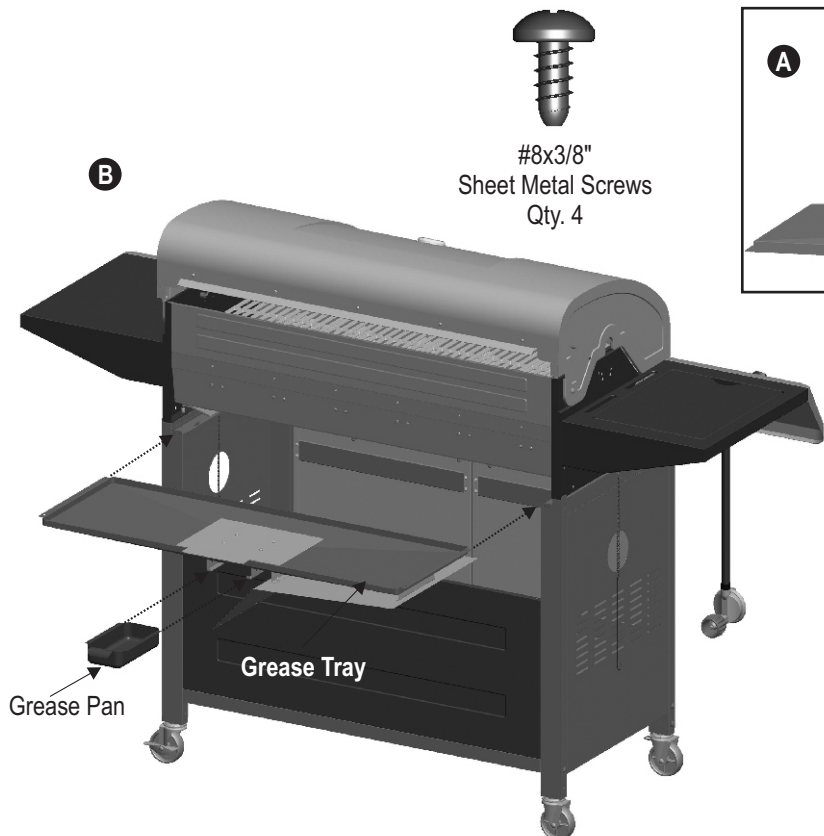
NOTE: Pivot and leg wires, running side-to-side, should be under wires running front-to-back. If pivot and leg wires are on top, Warming Rack is installed upside-down.

- Unscrew ignitor cap and place AA battery into ignitor slot with positive end (+) facing outward. Screw ignitor cap onto ignitor.



15

- Attach the heat shield to grease tray with (4) #8x3/8" sheet metal screws (A).
- Place grease pan into grease tray, then place the tray into the cart (B).



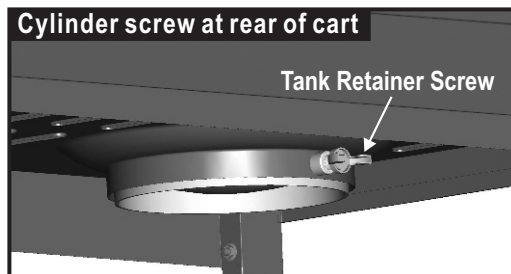
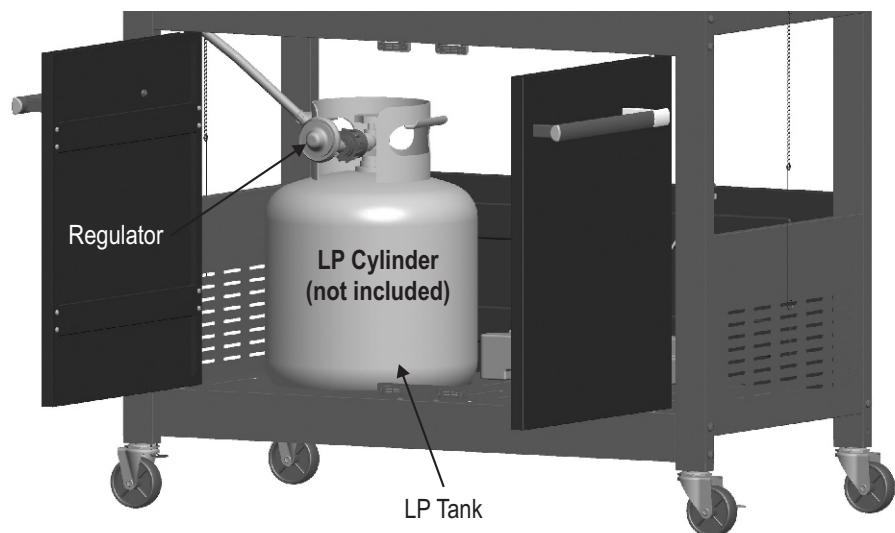
	CAUTION	
<p>Failure to install grease tray and grease pan will cause hot grease to drip from bottom of grill with risk of fire or property damage.</p>		

16

- LP tank is sold separately. Use only with an OPD (over-fill protection device) equipped LP tank. Fill and leak-check before attaching to grill and regulator. **See Use and Care section to correctly Leak Test and perform the Burner Flame Check.**
- Place Lp tank into hole in bottom shelf with tank collar opening facing front of grill as shown. Finger tighten tank retainer screw to hold LP tank securely in place. Insert regulator through the large hole on left side panel.

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

	CAUTION	
<p>Failure to install tank correctly may allow gas hose to be damaged in operation, resulting in the risk of fire.</p>		



DANGER: 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.	<ul style="list-style-type: none"> • Damaged hose. 	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Mechanical failure due to rusting or mishandling. 	<ul style="list-style-type: none"> • Replace LP cylinder.
Gas leaking from LP cylinder valve.	<ul style="list-style-type: none"> • Failure of cylinder valve from mishandling or mechanical failure. 	<ul style="list-style-type: none"> • Turn off LP cylinder valve. Return LP cylinder to gas supplier.
Gas leaking between LP cylinder and regulator connection.	<ul style="list-style-type: none"> • Improper installation, connection not tight, failure of rubber seal. 	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Fire in burner tube section of burner due to blockage. 	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Too much grease buildup in burner area. 	<ul style="list-style-type: none"> • 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
<p>Burner(s) will not light using ignitor. (See Electronic Ignition Troubleshooting also)</p> <p><i>Continued on next page.</i></p>	<p>GAS ISSUES:</p> <ul style="list-style-type: none"> • 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. <p>ELECTRICAL ISSUES:</p> <ul style="list-style-type: none"> • 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. • Dead battery. 	<ul style="list-style-type: none"> • 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.” • For a grill equipped with the AUTO-CLEAN™ feature, make sure the AUTO-CLEAN™ valve is set to “Grill” • 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). <p>Main Burners:</p> <ul style="list-style-type: none"> • Tip of electrode should be pointing toward gas port opening on burner. The distance should be 1/8” to 1/4”. Adjust if necessary. <p>Sideburner:</p> <ul style="list-style-type: none"> • 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. • Reconnect wires or replace electrode/wire assembly. • Replace ignitor wire/electrode assembly. • Replace with a new alkaline battery.

Troubleshooting (continued)

Problem	Possible Cause	Prevention/Solution
Burner(s) will not light using ignitor. (See Electronic Ignition Troubleshooting also)	ELECTRONIC IGNITION: <ul style="list-style-type: none"> No spark, no ignition noise. No spark, some ignition noise. Sparks, but not at electrode or at full strength. 	<ul style="list-style-type: none"> See Section I of Electronic Ignition System. See Section II of Electronic Ignition System. See Section III of Electronic Ignition System.
Burner(s) will not match light.	<ul style="list-style-type: none"> See “GAS ISSUES:” on previous page. Match will not reach. Improper method of match-lighting. 	<ul style="list-style-type: none"> Use long-stem match (fireplace match). See “Match-Lighting” section of Use and Care.
Sudden drop in gas flow or low flame.	<ul style="list-style-type: none"> Out of gas. Excess flow valve tripped. Vapor lock at coupling nut/LP cylinder connection. 	<ul style="list-style-type: none"> Check for gas in LP cylinder. 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. Turn off knobs and LP cylinder valve. Disconnect coupling nut from cylinder. Reconnect and retry.
Flames blow out.	<ul style="list-style-type: none"> High or gusting winds. Low on LP gas. Excess flow valve tripped. 	<ul style="list-style-type: none"> Turn front of grill to face wind or increase flame height. Refill LP cylinder. Refer to “Sudden drop in gas flow” above.
Flare-up.	<ul style="list-style-type: none"> Grease buildup. Excessive fat in meat. Excessive cooking temperature. 	<ul style="list-style-type: none"> Clean burners and inside of grill/firebox. Trim fat from meat before grilling. Adjust (lower) temperature accordingly.
Persistent grease fire.	<ul style="list-style-type: none"> Grease trapped by food buildup around burner system. 	<ul style="list-style-type: none"> 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)).	<ul style="list-style-type: none"> Burner and/or burner tubes are blocked. 	<ul style="list-style-type: none"> Turn knobs to OFF. Clean burner and/or burner tubes. See burner cleaning section of Use and Care.
Unable to fill LP cylinder.	<ul style="list-style-type: none"> Some dealers have older fill nozzles with worn threads. 	<ul style="list-style-type: none"> 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).	<ul style="list-style-type: none"> Grease buildup or food particles in end(s) of carryover tube(s). 	<ul style="list-style-type: none"> Clean carry-over tube(s) with wire brush.
AUTO-CLEAN™ (If Equipped)	Possible Cause	Prevention/Solution
Timer does not work (Green light does not flash)	<ul style="list-style-type: none"> Dead Battery Batteries installed incorrectly. Knob Position did not start the Clean Cycle 	<ul style="list-style-type: none"> Replace batteries Install batteries correctly. Push Knob in to start the clean cycle. (Green LED should begin to flash)
No LED’s will illuminate	<ul style="list-style-type: none"> Dead Battery 	<ul style="list-style-type: none"> Replace batteries
Red LED next to battery symbol is illuminated	<ul style="list-style-type: none"> Low Battery Strength 	<ul style="list-style-type: none"> Prepare to replace batteries (NOTE: Clean cycle will operate with a weak battery.

Troubleshooting - Electronic Ignition

Problem (Ignition)	Possible Cause	Check Procedure	Prevention/Solution
<p>SECTION I No sparks appear at any electrodes when Electronic Ignition Button is pressed; no noise can be heard from spark module.</p>	<ul style="list-style-type: none"> • Battery not installed properly. • Dead battery. • Button assembly not installed properly. • Faulty spark module. 	<ul style="list-style-type: none"> • Check battery orientation. • Has battery been used previously? • Check to insure threads are properly engaged. Button should travel up and down without binding. • If no sparks are generated with new battery and good wire connections, module is faulty. 	<ul style="list-style-type: none"> • Install battery (make sure that “+” and “-” connectors are oriented correctly, with “+” end up and “-” end down.) • Replace battery with new alkaline battery. • Unscrew button cap assembly and reinstall, making sure threads are aligned and engaged fully. • Replace spark module assembly.
<p>SECTION II No sparks appear at any electrodes when Electronic Ignition Button is pressed; noise can be heard from spark module.</p>	<ul style="list-style-type: none"> • Output lead connections not connected. 	<ul style="list-style-type: none"> • Are output connections on and tight? 	<ul style="list-style-type: none"> • Remove and reconnect all output connections at module and electrodes.
<p>SECTION III Sparks are present but not at all electrodes and/or not at full strength</p>	<ul style="list-style-type: none"> • Output lead connections not connected. • Arcing to grill away from burner(s). • Weak battery. • Electrodes are wet. • Electrodes cracked or broken “sparks at crack”. 	<ul style="list-style-type: none"> • Are output connections on and tight? • If possible, observe grill in dark location. Operate ignition system and look for arcing between output wires and grill frame. • All sparks present but weak or at slow rate. • Has moisture accumulated on electrode and/or in burner ports? • Inspect electrodes for cracks. 	<ul style="list-style-type: none"> • Remove and reconnect all output connections at module and electrodes. • If sparks are observed other than from burner(s), wire insulation may be damaged. Replace wires. • Replace battery with a new alkaline battery. • Use paper towel to remove moisture. • Replace cracked or broken electrodes.