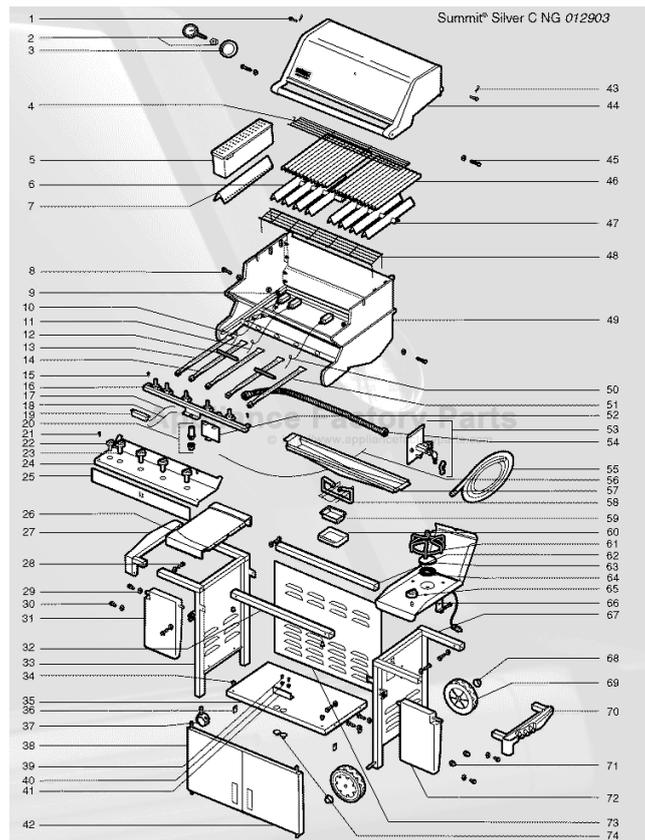


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# Weber SUMMIT SILVER C NG (2003-2004) Owner's Manual

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----- Manual continues below -----



SUMMIT®

Silver C

## Natural Gas Grill Owners Guide

**YOU MUST READ THIS OWNERS GUIDE  
BEFORE OPERATING YOUR GAS GRILL**

#

**42097**

**⚠ DANGER**

If you smell gas:

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

Leaking gas may cause a fire or explosion which can cause serious bodily injury or death, or damage to property.

**⚠ WARNING**

1. Do not store spare liquid propane cylinder within 10 feet (3m) of this appliance.
2. Do not store or use gasoline or other flammable liquids or vapors within 25 feet (8m) of this appliance.

**⚠ WARNING: Follow all leak-check procedures carefully in this manual prior to barbecue operation. Do this even if the barbecue was dealer-assembled.**

**NOTICE TO INSTALLER: These instructions must be left with the owner and the owner should keep them for future use.**

**THIS GAS APPLIANCE IS DESIGNED FOR OUTDOOR USE ONLY.**

**⚠ WARNING: Do not try to light this appliance without reading the "Lighting" Instructions section of this manual**

A407\_NG.d  
Ba402\_NG.a  
B407\_NG.c  
C407\_NG.c  
D407\_NG.d  
E401.b



**42097 US 01/29/03  
NG**

# ⚠ Dangers & ⚠ Warnings

## ⚠ DANGER

Failure to follow the Dangers, Warnings and Cautions contained in this Owner's Manual may result in serious bodily injury or death, or in a fire or an explosion causing damage to property.

## ⚠ WARNINGS

- ⚠ Do not store a spare or disconnected liquid propane cylinder under or near this barbecue.
- ⚠ Improper assembly may be dangerous. Please carefully follow the assembly instructions in this manual.
- ⚠ After a period of storage, and/or nonuse, the Weber® gas barbecue should be checked for gas leaks and burner obstructions before use. See instructions in this manual for correct procedures.
- ⚠ Do not operate the Weber® gas barbecue if there is a gas leak present.
- ⚠ Do not use a flame to check for gas leaks.
- ⚠ Combustible materials should never be within 24 inches of the top, bottom, back or sides of your Weber® gas barbecue.
- ⚠ Do not put a barbecue cover or anything flammable on, or in the storage area under the barbecue.
- ⚠ Your Weber® gas barbecue should never be used by children. Accessible parts of the barbecue may be very hot. Keep young children away while it is in use.
- ⚠ You should exercise reasonable care when operating your Weber® gas barbecue. It will be hot during cooking or cleaning and should never be left unattended, or moved while in operation.
- ⚠ Should the burners go out while in operation, turn all gas valves off. Open the lid and wait five minutes before attempting to relight, using the lighting instructions.
- ⚠ Do not use charcoal or lava rock in your Weber® gas barbecue.
- ⚠ Never lean over open grill or place hands or fingers on the front edge of the cooking box.
- ⚠ Should a grease fire occur, turn off all burners and leave lid closed until fire is out.
- ⚠ Do not enlarge valve orifices or burner ports when cleaning the valves or burners.
- ⚠ The Weber® gas barbecue should be thoroughly cleaned on a regular basis.
- ⚠ Liquid propane gas is not natural gas. The conversion or attempted use of natural gas in a liquid propane unit or liquid propane gas in a natural gas unit is dangerous and will void your warranty.
- ⚠ Do not attempt to disconnect any gas fitting while your barbecue is in operation.
- ⚠ Use heat-resistant barbecue mitts or gloves when operating barbecue.
- ⚠ Keep any electrical supply cord and the fuel supply hose away from any heated surfaces.
- ⚠ Combustion byproducts produced when using this product contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.
- ⚠ Do not use this barbecue unless all parts are in place. The unit must be properly assembled according to the instructions outlined in the "Assembly Instruction" section of the Owner's Guide.

### LIQUID PROPANE GAS UNITS ONLY:

- ⚠ Use the regulator that is supplied with your Weber® gas barbecue.
- ⚠ Do not attempt to disconnect the gas regulator or any gas fitting while your barbecue is in operation.
- ⚠ A dented or rusty liquid propane cylinder may be hazardous and should be checked by your liquid propane supplier. Do not use a liquid propane cylinder with a damaged valve.
- ⚠ Although your liquid propane cylinder may appear to be empty, gas may still be present, and the cylinder should be transported and stored accordingly.
- ⚠ If you see, smell or hear the hiss of escaping gas from the liquid propane cylinder:
  1. Move away from liquid propane cylinder.
  2. Do not attempt to correct the problem yourself.
  3. Call your fire department.

# Contents



Danger & Warnings .....	A-2
Warranty .....	A-4
General Instructions .....	A-5



Grilling Methods .....	A-6
------------------------	-----



Cleaning .....	A-6
----------------	-----



Exploded View .....	A-7
Parts List .....	A-9



Assembly Instructions .....	B-a
-----------------------------	-----



Gas Instructions .....	C-1
Leak Checking .....	C-4



Operating .....	D-1
Grilling Methods .....	D-1



Lighting .....	D-3
Manual Lighting .....	D-4
Lighting the Side Burner .....	D-5
Lighting the Smoker .....	D-7



Troubleshooting .....	D-9
Side Burner Troubleshooting .....	D-10
Maintenance .....	E-1
Replacing Main Burners .....	E-2
Crossover® Ignition System Operations .....	E-4

# Warranty

Weber-Stephen Products Co. (Weber) hereby warrants to the ORIGINAL PURCHASER of this Weber® gas grill that it will be free of defects in material and workmanship from the date of purchase as follows:

Aluminum Castings, lifetime,	1 year paint
Stainless Steel Hood Section,	25 years
Burners,	10 years
Igniter,	3 years
Cooking Grates,	7 years
Flavorizer® Bars,	5 year no rust through
Thermoplastic/Thermoset Parts,	10 years Excluding fading
All Remaining Parts,	5 years,

when assembled and operated in accordance with the printed instructions accompanying it.

Weber may require reasonable proof of your date of purchase. THEREFORE, YOU SHOULD RETAIN YOUR SALES SLIP OR INVOICE.

This Limited Warranty shall be limited to the repair or replacement of parts that prove defective under normal use and service and which on examination shall indicate, to Weber's satisfaction, they are defective. Before returning any parts, contact the Customer service representative in your region using the contact information sheet provided with your manual. If Weber® confirms the defect and approves the claim, Weber® will elect to replace such parts without charge. If you are required to return defective parts, transportation charges must be prepaid. Weber® will return parts to the purchaser, freight or postage prepaid.

This Limited Warranty does not cover any failures or operating difficulties due to accident, abuse, misuse, alteration, misapplication, vandalism, improper installation or improper maintenance or service, or failure to perform normal and routine maintenance, including but not limited to damage caused by insects within the burner tubes, as set out in this owner's manual. Deterioration or damage due to severe weather conditions such as hail, hurricanes, earthquakes or tornadoes, discoloration due to exposure to chemicals either directly or in the atmosphere, is not covered by this Limited Warranty.

There are no other express warrants except as set forth herein and any applicable implied warranties of merchantability and fitness are limited in duration to the period of coverage of this express written Limited Warranty. Some regions do not allow limitation on how long an implied warranty lasts, so this limitation may not apply to you.

Weber® is not liable for any special, indirect or consequential damages. Some regions do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

Weber® does not authorize any person or company to assume for it any other obligation or liability in connection with the sale, installation, use, removal, return, or replacement of its equipment; and no such representations are binding on Weber®.

This Warranty applies only to products sold at retail.

**WEBER-STEPHEN PRODUCTS CO.  
Customer Service Center  
1890 Roselle Road, Suite 308  
Schaumburg, IL 60195  
USA**

# General Instructions

Your Weber® gas barbecue is a portable outdoor cooking appliance. With the Weber® gas barbecue you can grill, barbecue, roast and bake with results that are difficult to duplicate with indoor kitchen appliances. The closed lid and Flavorizer® bars produce that “outdoor” flavor in the food.

The Weber® gas barbecue is portable so you can easily change its location in your yard or on your patio. Portability means you can take your Weber® gas barbecue with you if you move.

The natural gas supply is easy to use and gives you more cooking control than charcoal fuel.

- These instructions will give you the minimum requirements for assembling your Weber® gas barbecue. Please read the instructions carefully before using your Weber® gas barbecue. Improper assembly can be dangerous.
- Not for use by children.
- If there are local codes that apply to portable gas grills, you will have to conform to them. If there are no local codes, you must conform to the latest edition of the National Fuel Gas Code: ANSI Z 223.1/NFPA54.
- This Weber® gas barbecue is designed for natural (piped in city) gas only. Do not use liquid propane (LP) bottled gas. The valves, orifices and hose are for natural gas only.
- Do not use with charcoal fuel.
- Check that the area under the control panel and the bottom tray are free from debris that might obstruct the flow of combustion or ventilation air.

## For Installation in Canada

These instructions, while generally acceptable, do not necessarily comply with the Canadian Installation codes, particularly with piping above and below ground. In Canada the installation of this appliance must comply with local codes and/or Standards CAN/CGA-B149.1 Natural Gas and Propane Installation Code.

## Storage

- The gas must be turned OFF at the natural gas supply when the Weber® gas barbecue is not in use.
- When the Weber® gas barbecue is stored indoors, the gas supply must be disconnected.
- The Weber® gas barbecue should be checked for gas leaks and any obstructions in the burner tubes before using. (See Sections: “General Maintenance and Annual Maintenance.”)
- Check that the areas under the control panel and the slide out bottom tray are free from debris that might obstruct the flow of combustion or ventilation air.
- The Spider /Insect Screens should also be checked for any obstructions. (See Section: “Annual Maintenance.”)

## Operating

- ⚠ **WARNING: Only use this barbecue outdoors in a well-ventilated area. Do not use in a garage, building, breezeway or any other enclosed area.**
- ⚠ **WARNING: Your Weber® gas barbecue shall not be used under an unprotected combustible roof or overhang.**
- ⚠ **WARNING: Your Weber® gas barbecue is not intended to be installed in or on recreational vehicles and/or boats.**
- ⚠ **WARNING: Do not use the barbecue within 24 inches of combustible materials, top, bottom, back or sides of the grill.**
- ⚠ **WARNING: The entire cooking box gets hot when in use. Do not leave unattended.**
- ⚠ **WARNING: Keep any electrical supply cord and the fuel supply hose away from any heated surface.**
- ⚠ **WARNING: Keep the cooking area clear of flammable vapors and liquids, such as gasoline, alcohol, etc., and combustible materials.**

## Gas Supply Testing

- Disconnect your Weber® gas barbecue when the gas supply is being tested at high pressures. This appliance and its individual shutoff 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).
- Turn OFF your Weber® gas barbecue when the gas supply is being tested at low pressures. This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at the pressure equal to or less than 1/2 psig (3.5 kPa).

# General Instructions

## Grilling Methods

**NOTE:** If grill loses heat while cooking refer to the troubleshooting section of this manual.

**⚠ WARNING:** Do not move the Weber® gas barbecue when operating or while barbecue is hot.

You can adjust the Left and Right burners in each burner set as desired. The control settings are High (H), Medium (M), Low (L), or Off (O).

*Note: The temperature inside your cooking box for the first few uses, while surfaces are still very reflective, may be hotter than those shown in your cookbook. Cooking conditions. Such as wind and weather, may require the adjustment of the burner controls to obtain the correct cooking temperatures.*

**If burners go out during cooking, open lid, turn off all burners and wait five minutes before relighting.**

**Preheating** - Your Weber® gas barbecue is an energy-efficient appliance. It operates at an economical low BTU rate. To preheat: after lighting, close lid and turn all burners to high (HH). Preheating to between 500° and 550° F (260° and 290° C) will take 10 to 15 minutes depending on conditions such as air temperature and wind.

**Drippings and grease** - The Flavorizer® bars are designed to “smoke” the correct amount of drippings for flavorful cooking. Excess drippings and grease will accumulate in the catch pan under the slide out bottom tray. Disposable foil drip pans are available that fit the catch pan.

**⚠ WARNING:** Check the bottom tray for grease build-up before each use. Remove excess grease to avoid a grease fire in the slide out bottom tray.

## Cleaning

**⚠ WARNING:** Turn your Weber® gas barbecue OFF and wait for it to cool before cleaning.

**⚠ CAUTION:** Do not clean your Flavorizer® bars or cooking grates in a self-cleaning oven.

**For availability of replacement cooking grates and Flavorizer® bars contact the Customer Service Representative in your region using the contact information sheet provided with your manual.**

**Outside surfaces** - Use a warm soapy water solution to clean, then rinse with water.

**⚠ CAUTION:** Do not use oven cleaner, abrasive cleansers (kitchen cleansers) cleaners that contain citrus products, or abrasive cleaning pads on barbecue or cart surfaces.

**Slide out Bottom tray** - Remove excess grease, then wash with warm soapy water, then rinse

**Flavorizer® bars and Cooking grates** - Clean with a suitable brass bristle brush. As needed, remove from grill and wash with warm soapy water, then rinse with water.

**Catch pan** - Disposable foil trays are available, or you can line the catch pan with aluminum foil. To clean the catch pan, wash with warm soapy water, then rinse.

**Thermometer** - Wipe with warm soapy water; clean with plastic scrub ball. Do not put in dishwasher or submerge in water.

**Inside cooking module** - Brush any debris off of burner tubes. **DO NOT ENLARGE BURNER PORTS (OPENINGS).** Wash inside of cooking box with warm soapy water and a water rinse.

**Inside Lid** - While lid is warm, wipe inside with paper towel to prevent grease build-up. Flaking built-up grease resembles paint flakes.

**Stainless steel surfaces** - Wash with a soft cloth and a soap and water solution. Be careful to scrub with the grain direction of the stainless steel.

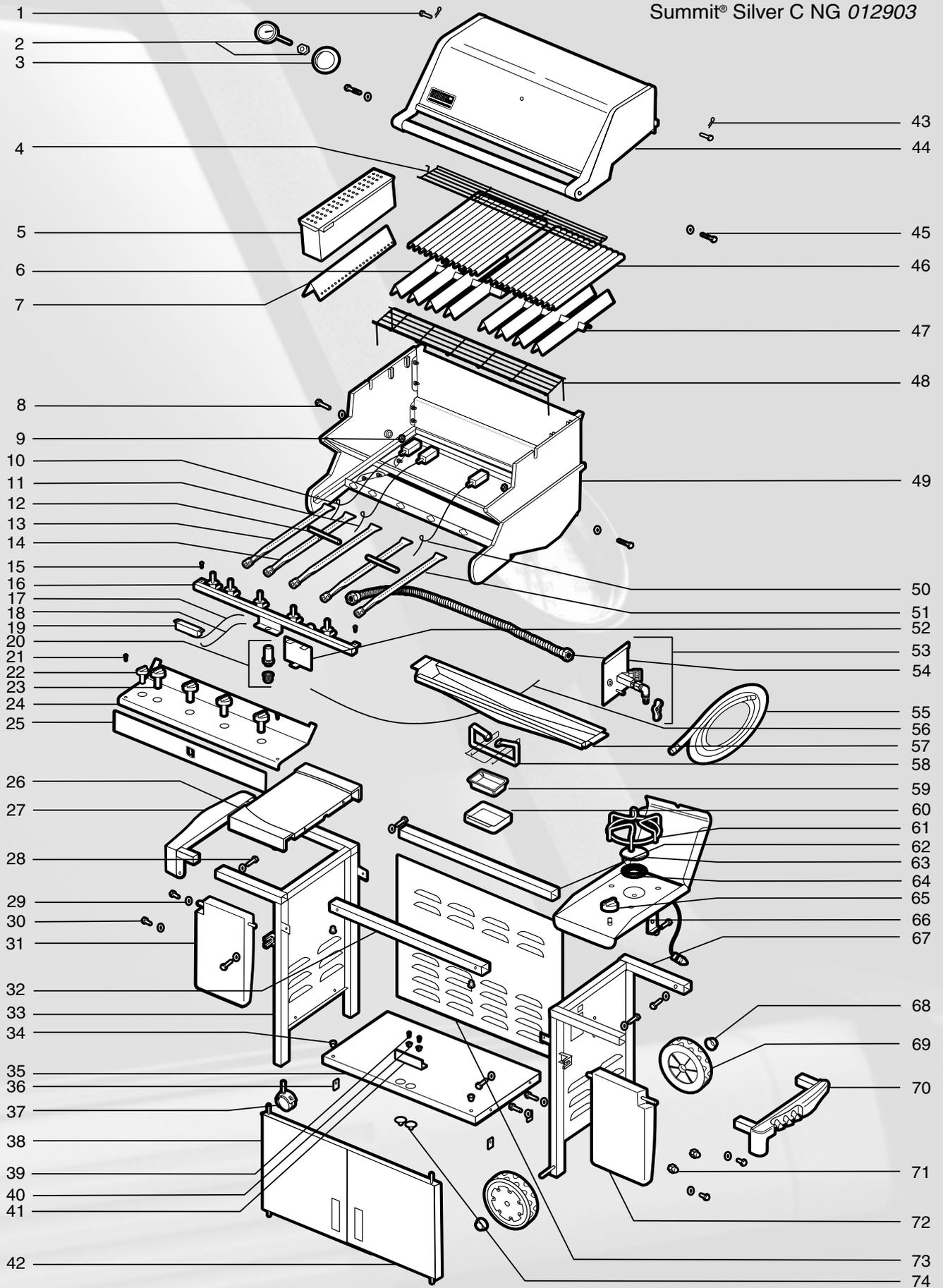
**Thermoset surfaces** - Wash with a soft cloth and a soap and water solution.

**Do not use cleaners that contain acid, mineral spirits or xylene. Rinse well after cleaning.**

**Thermoset work surfaces are not to be used as cutting boards.**

# Exploded View

Summit® Silver C NG 012903

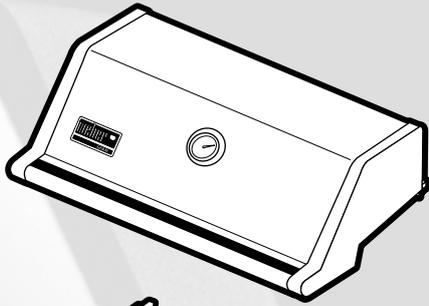


# Exploded View List

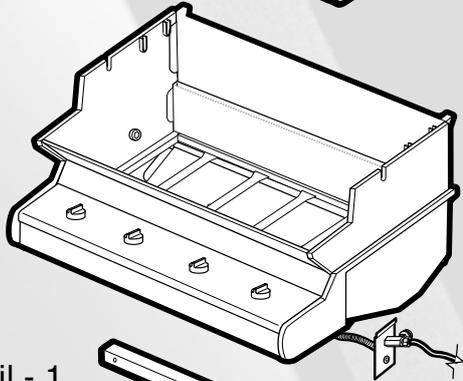
1. Hinge Pin
2. Thermometer Hardware
3. Thermometer Bezel
4. Warm-Up™ Basket
5. Smoker Box
6. Left Flavorizer® Bar Assembly
7. Smoker Box Chip Grate
8. Cookbox Assembly Hardware
9. 1/4 - 20 Hex Nut
10. Electrode Assembly
11. Electrode Assembly
12. Crossover® Tube
13. Smoker Burner Tube
14. Left Burner Tube
15. 1/4 - 20 x 1/2 inch Screw
16. Manifold
17. Negative Ignition Switch Wire
18. Positiver Ignition Switch Wire
19. Three Output Ignition Module
20. Ignition Switch Button Assembly
21. 1/4 - 20 x 1/2 inch Black Screw
22. Small Burner Control Knob
23. Large Burner Control Knob
24. Control Panel
25. Front Panel
26. Left Work Surface
27. Left Trim Piece
28. 1/4 - 20 x 1 inch Black Bolt
29. Nylon Washer
30. 1/4 - 20 x 1/2 inch Black Bolt
31. Left Swing-Up Table
32. Front Frame Rail
33. Caster Frame Assembly
34. Door Bushing
35. Bottom Shelf
36. Mounting Clip
37. Caster
38. Left Door
39. 10 - 16 x 3/4 Screw w/ Washer
40. Plastic Plug
41. Door Stop
42. Right Door
43. Hair Pin Cotter
44. Lid Assembly
45. 1/4 - 20 x 1 1/4 inch Bolt
46. 12 inch Cooking Grate
47. Right Flavorizer® Bar Assembly
48. Warming Rack
49. Cookbox Assembly
50. Electrode Assembly
51. Right Burner Tube
52. Battery Shield Assembly
53. Manifold Assembly
54. Main Gas Line
55. Hose
56. Side Burner Igniter Wire
57. Bottom Tray
58. Summit Catch Pan Holder
59. Summit Catch Pan
60. Summit Drip Pan
61. Side Burner Grate
62. Rear Frame Rail
63. Side Burner Cap
64. Side Burner Ring
65. Side Burner Control Knob
66. Side Burner
67. Wheel Frame Assembly
68. Hubcap
69. Wheel
70. Right Trim Piece
71. Cylinder Glides
72. Right Swing-Up Table
73. Back Panel
74. Door Plug

# Parts List

Lid - 1



Cookbox - 1



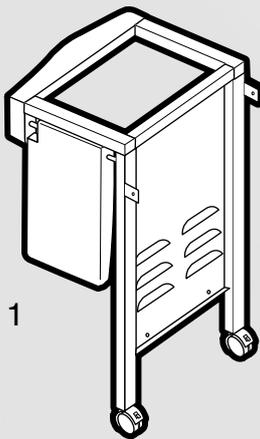
Front Frame Rail - 1



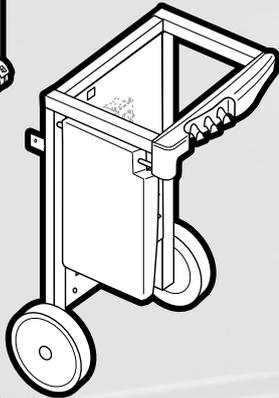
Rear Frame Rail - 1



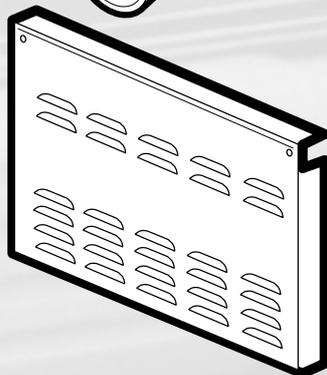
Left Frame Assembly - 1



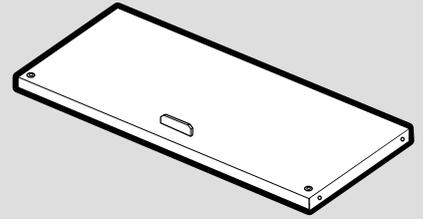
Right Frame Assembly - 1



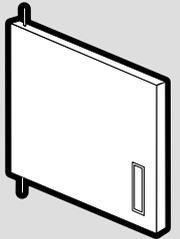
Rear Panel - 1



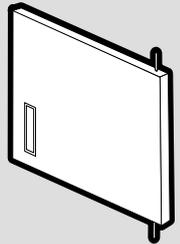
Bottom Shelf - 1



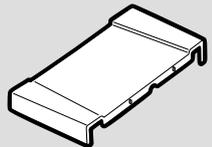
Left Door - 1



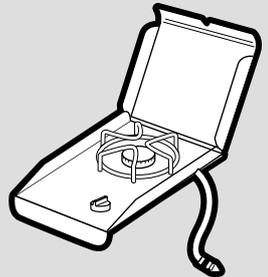
Right Door - 1



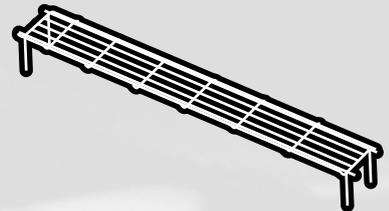
Side Table - 2



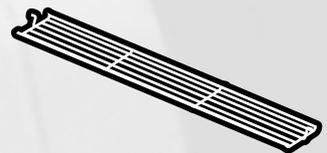
Side Burner - 1



Warming Rack - 1

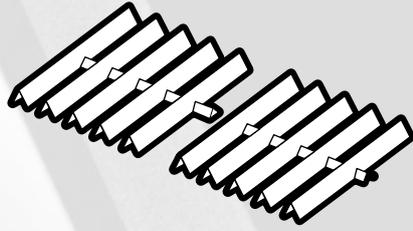


Warm-Up™ Rack - 1

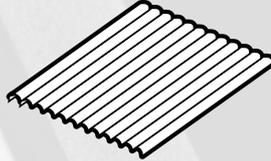


# Parts List

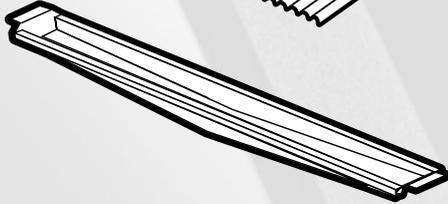
Flavorizer® Bars - 2 Sets



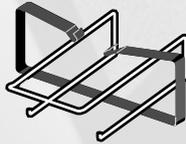
Stainless Steel  
Cooking Grates - 2



Bottom Tray - 1



Catch-Pan Holder - 1



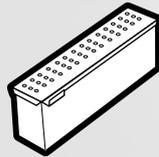
Catch-Pan - 1



Disposable Drip Pans - 2



Smoker - 1



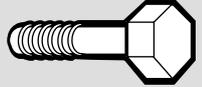
Hinge Pin- 2



Hair Pin Cotter- 2



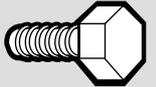
1-1/4 inch Bolts  
(1/4 x 20 x 1-1/4 inch Bolt) - 2



Nut Hex (1/4 x 20 Blk Zinc) - 2



1/2 inch Bolts  
(1/4 x 20 x 1/2 inch Bolt) - 8



Nylon Washer - 10



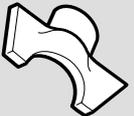
Wing Nut (10-24) - 2



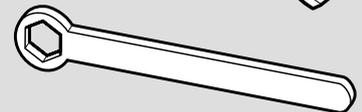
Plastic Washer - 1



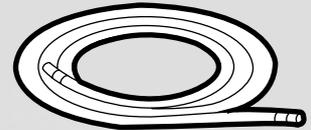
Wrench - 1



7/16 inch Wrench - 1

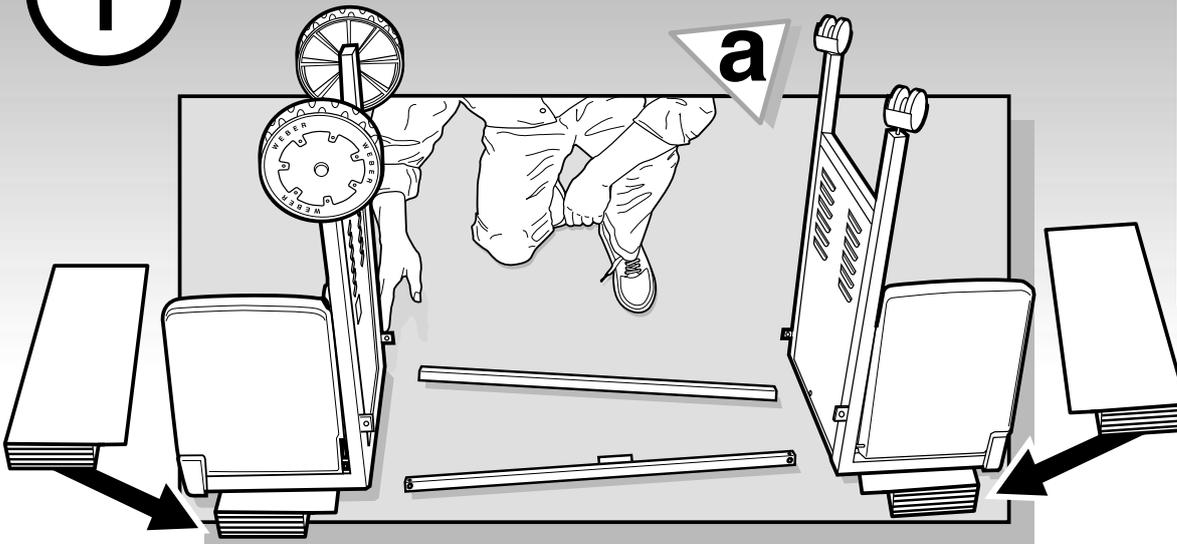


Hose - 1

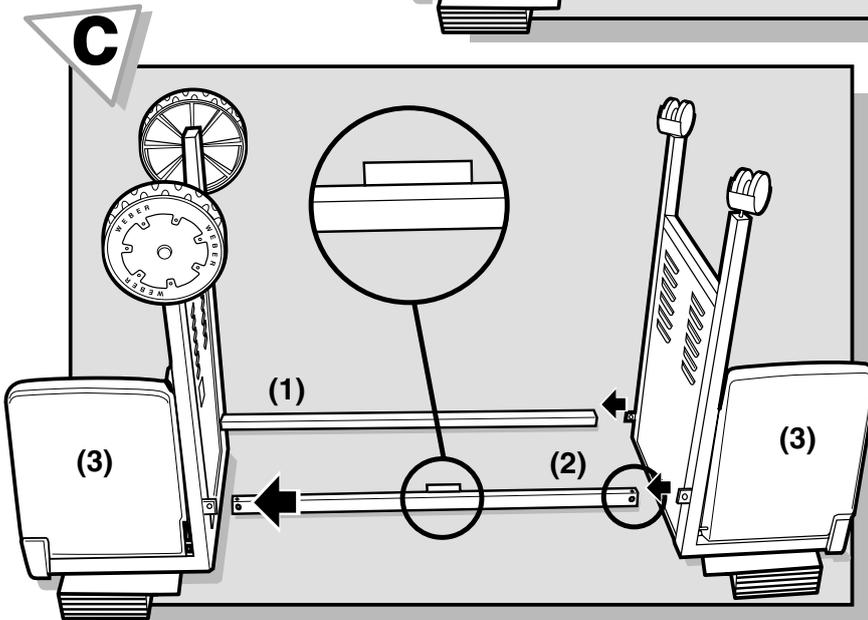
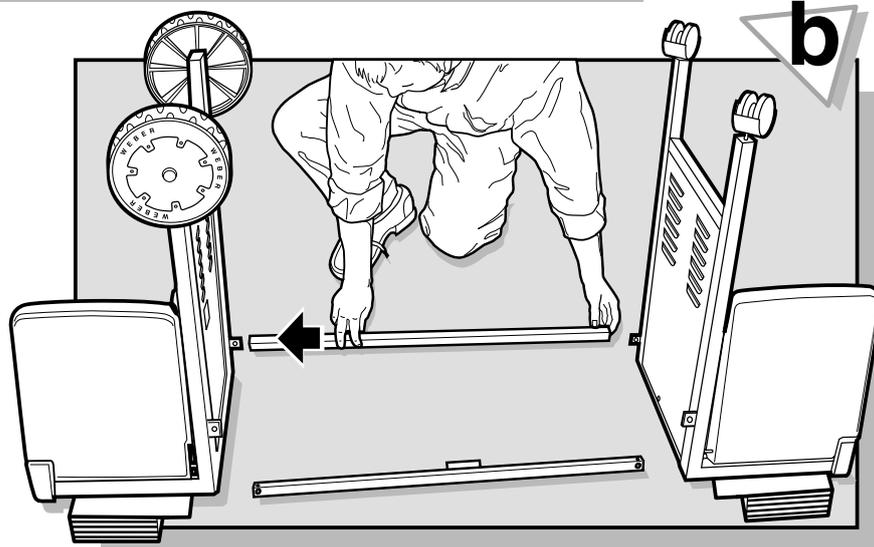




1



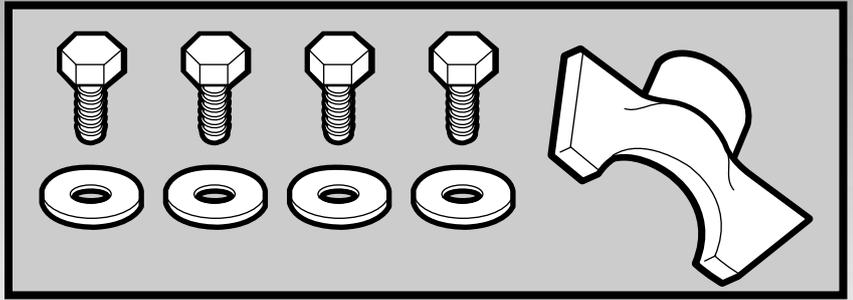
Place corrugated from each side of the Cookbox under the Caster and Wheel Frame Assembly to level the frames for Frame Rail Assembly.



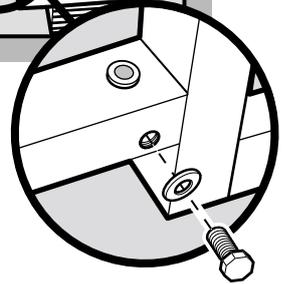
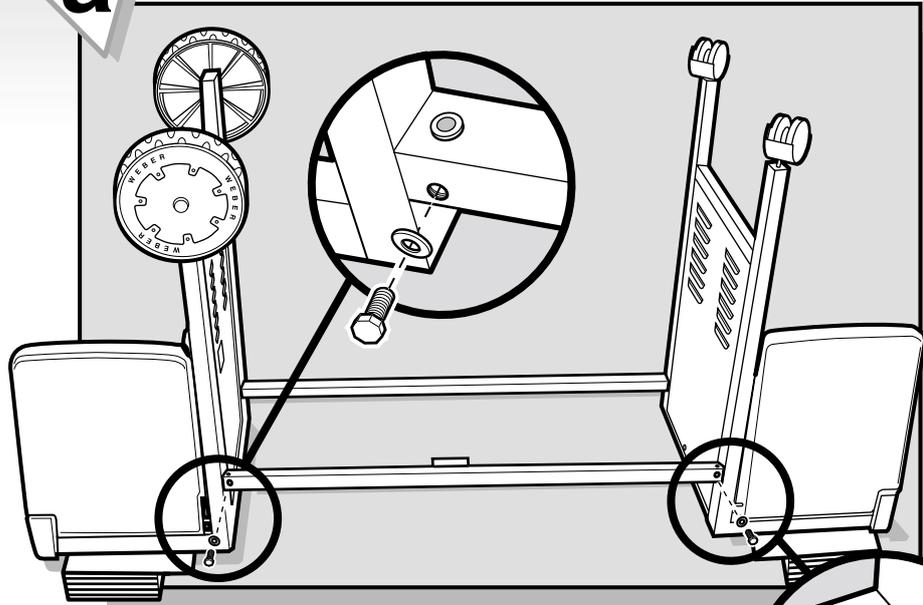
**⚠ CAUTION:** Before proceeding to the next step check that frame rail (2) is on the side with the swing tables (3). The tab on frame rail (2) must be facing toward the wheels.



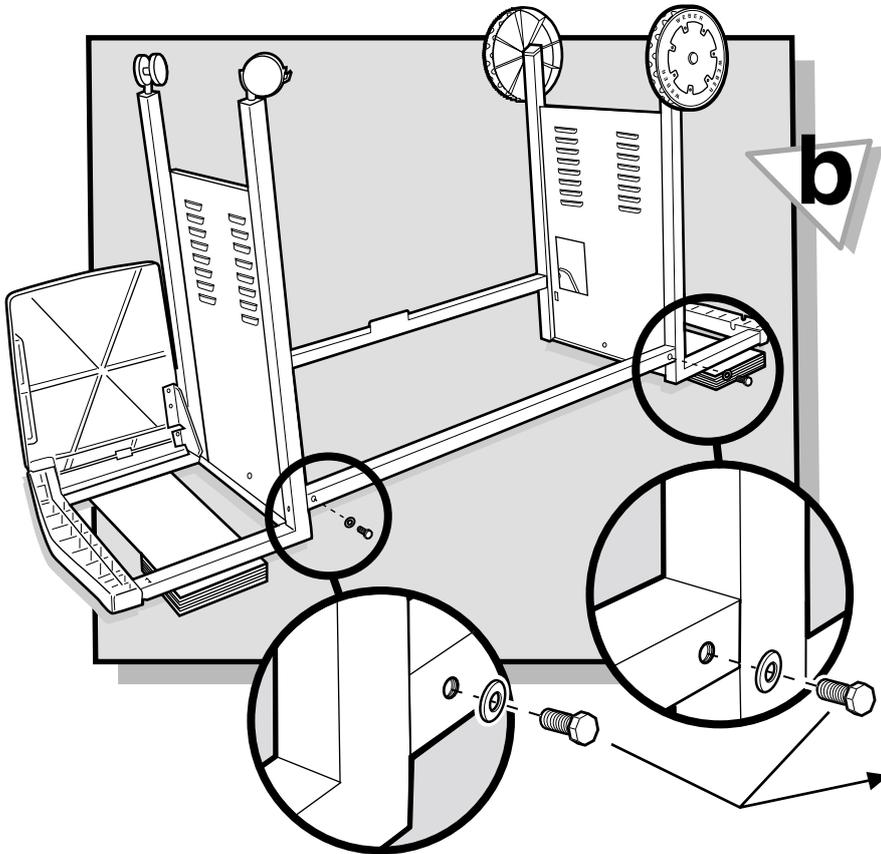
2



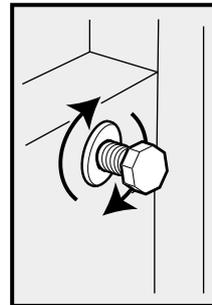
a



b

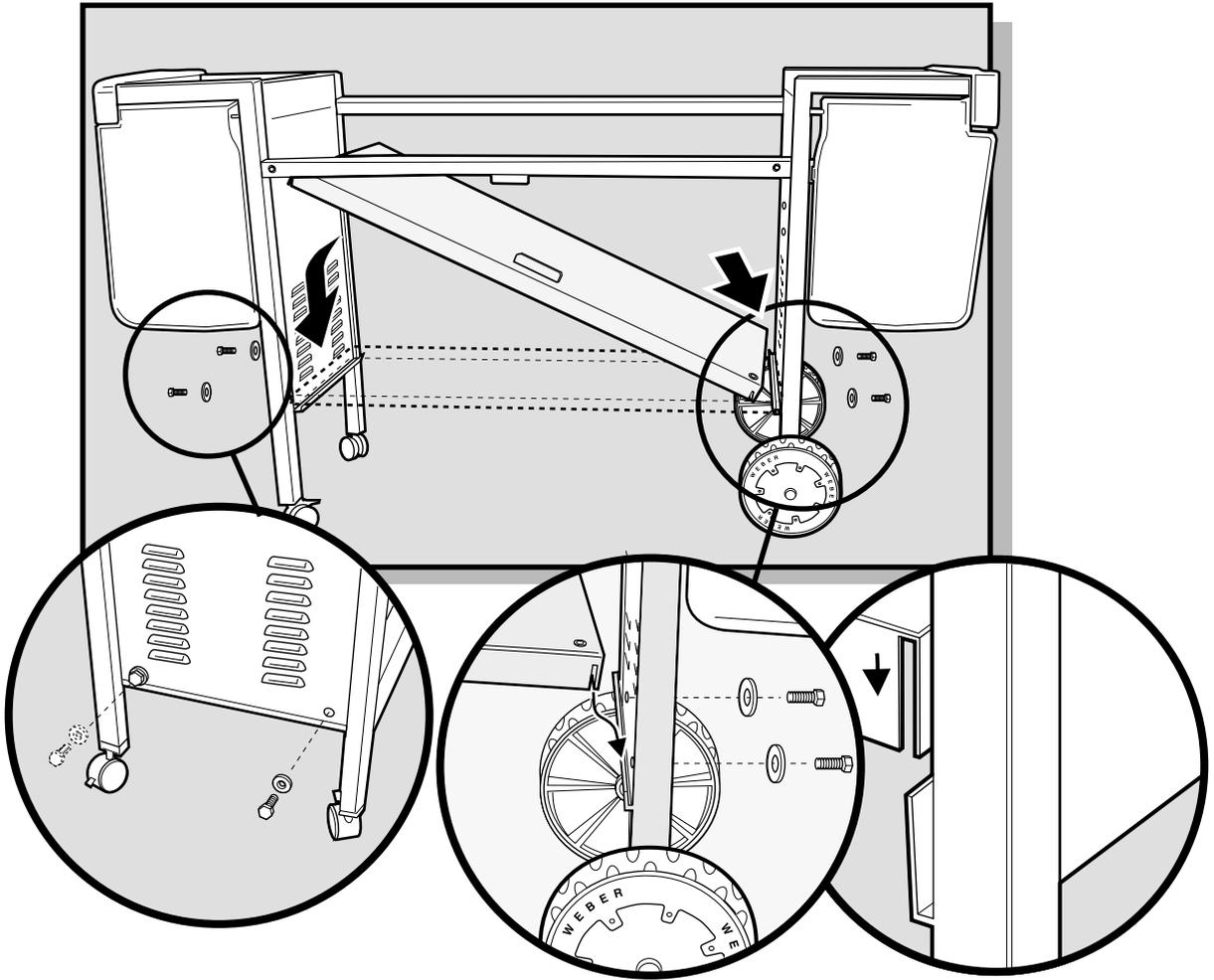
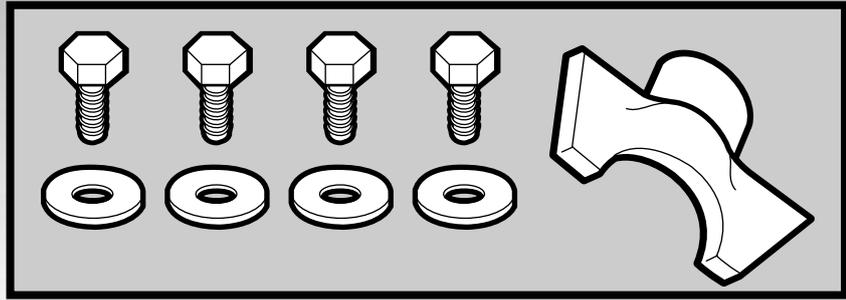


**⚠ ATTENTION!**  
Only start these bolts.  
Do not tighten yet.



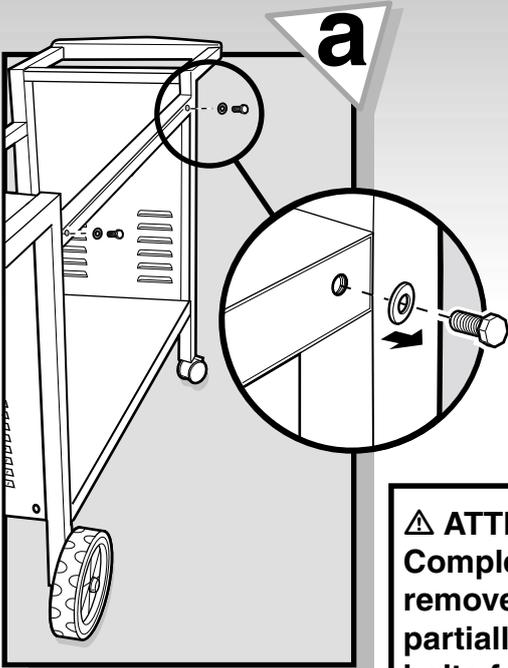
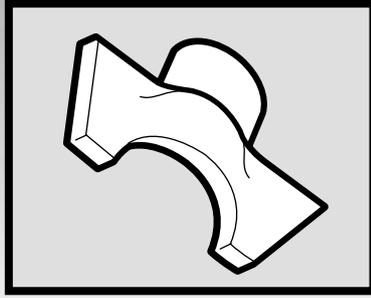


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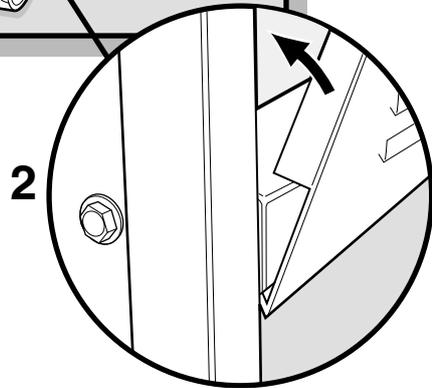
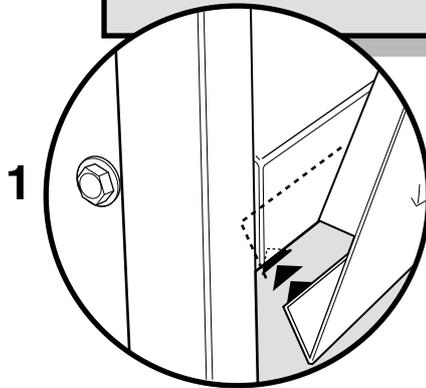
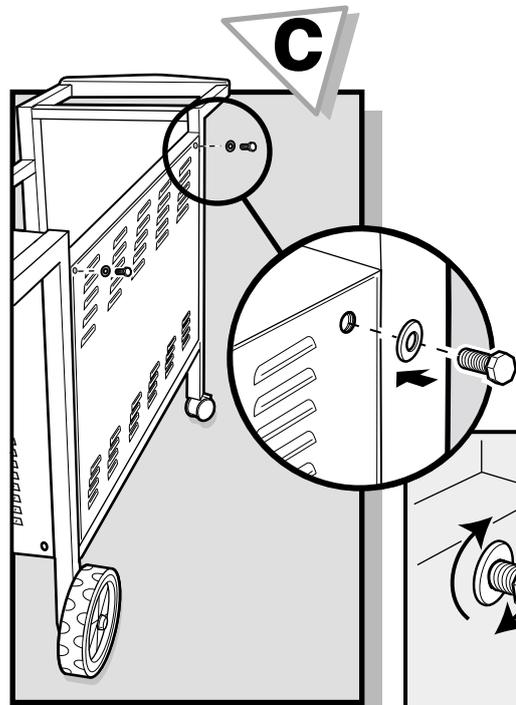
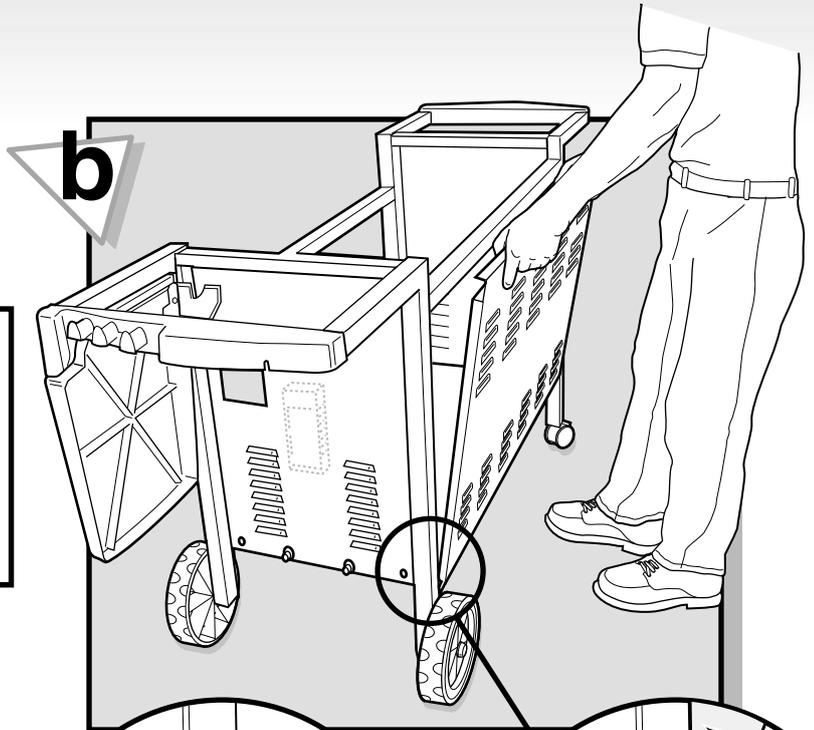




4



**⚠ ATTENTION!**  
Completely  
remove both  
partially started  
bolts from top  
rear frame rail

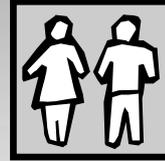


**⚠ ATTENTION!**  
Reinstall both  
bolts through  
rear panel and  
into rear frame rail.

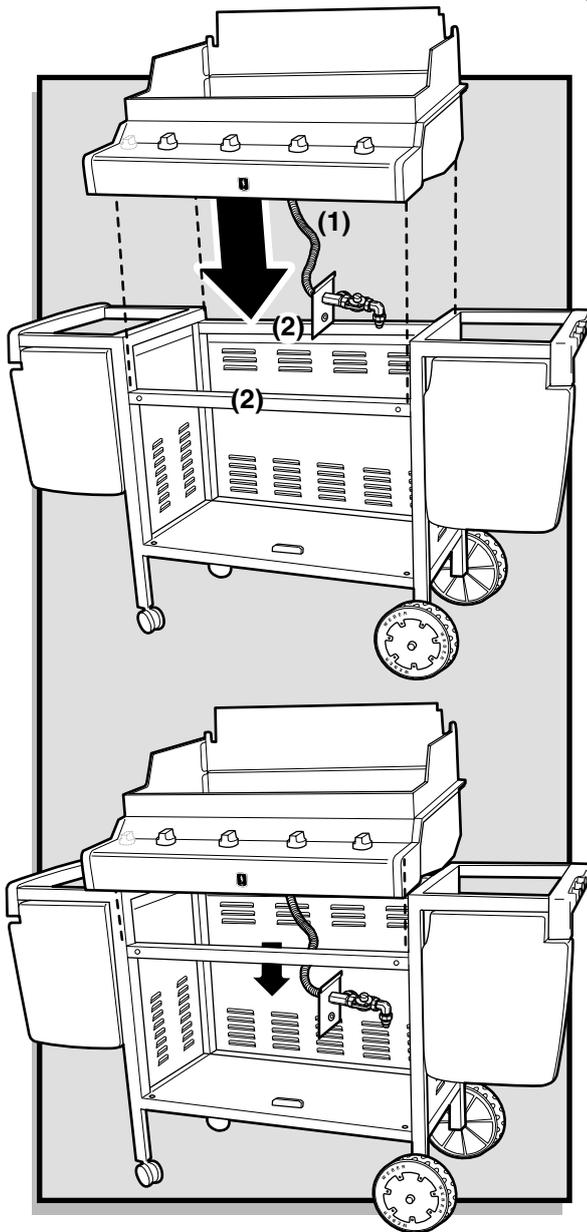


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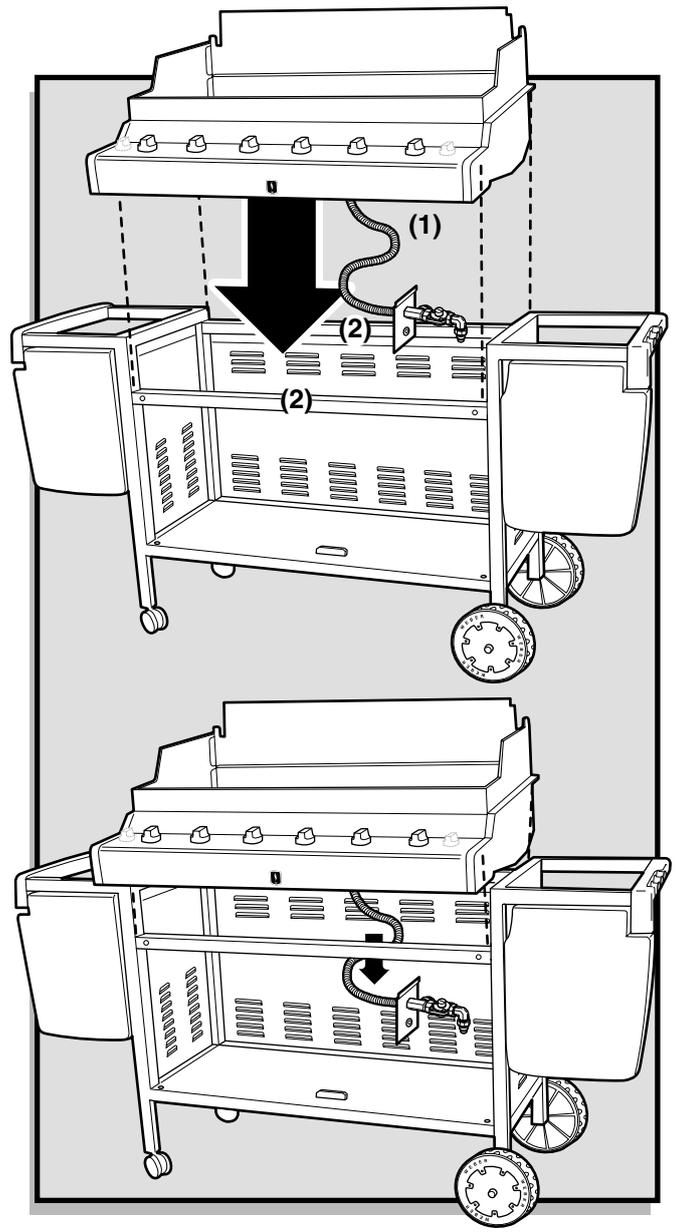
**⚠ ATTENTION!**  
Remove packing tape holding the gas line and bracket(1).  
When installing cookbox route the gas line and bracket(1) inside the frame rails(2).



**SUMMIT® SILVER**



**SUMMIT® GOLD**



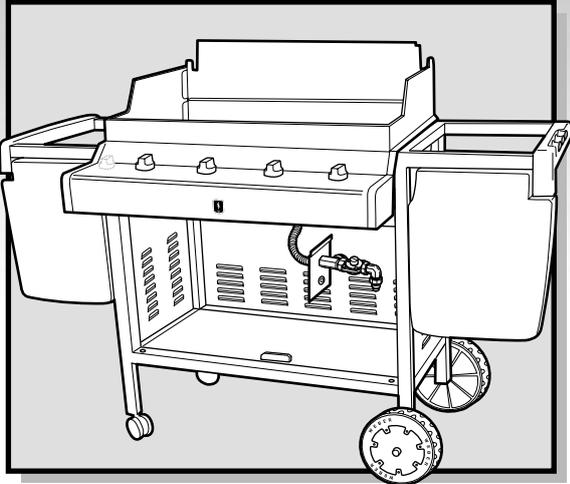
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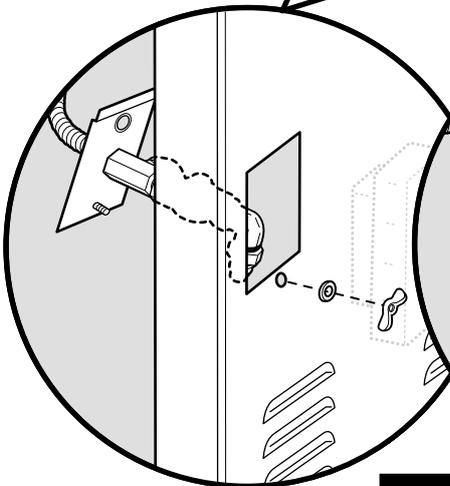
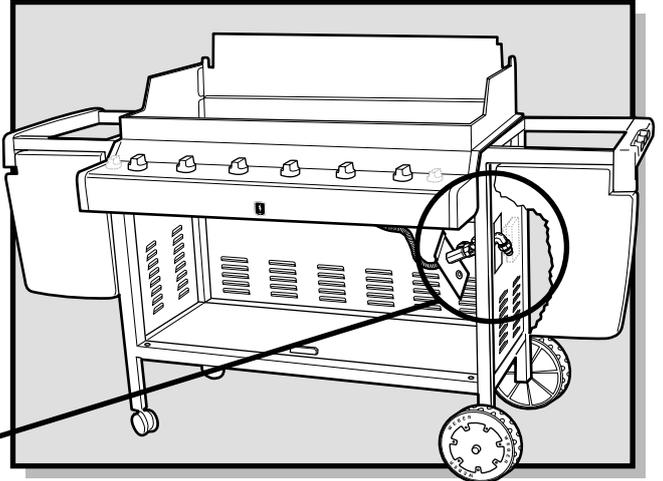
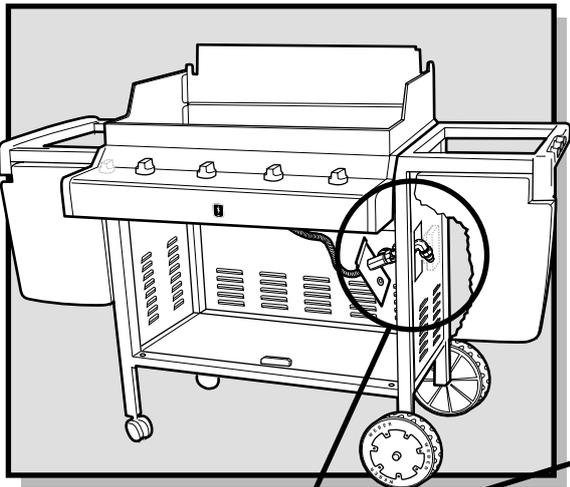
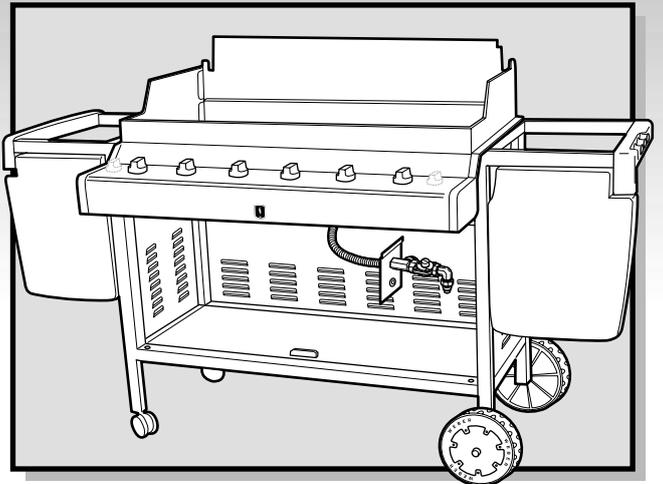
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SUMMIT® SILVER

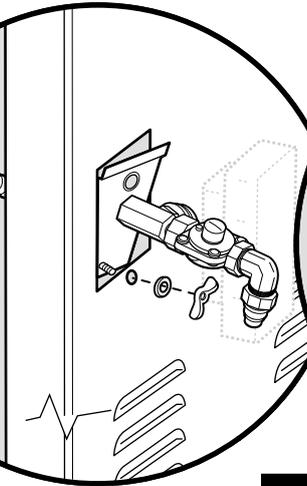
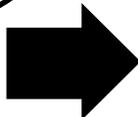


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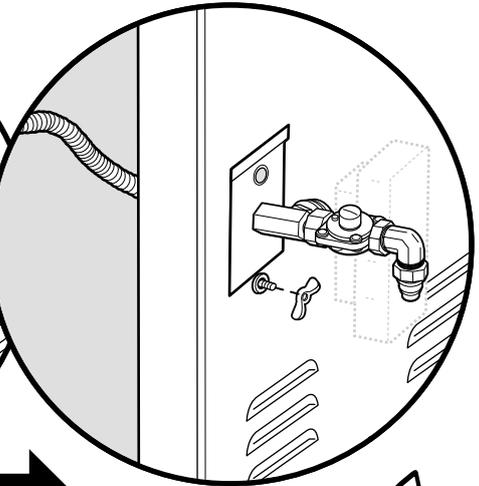
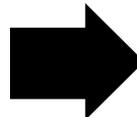
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(1)



(2)

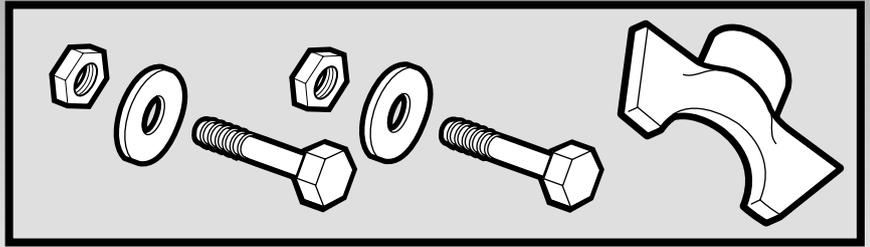


(3)



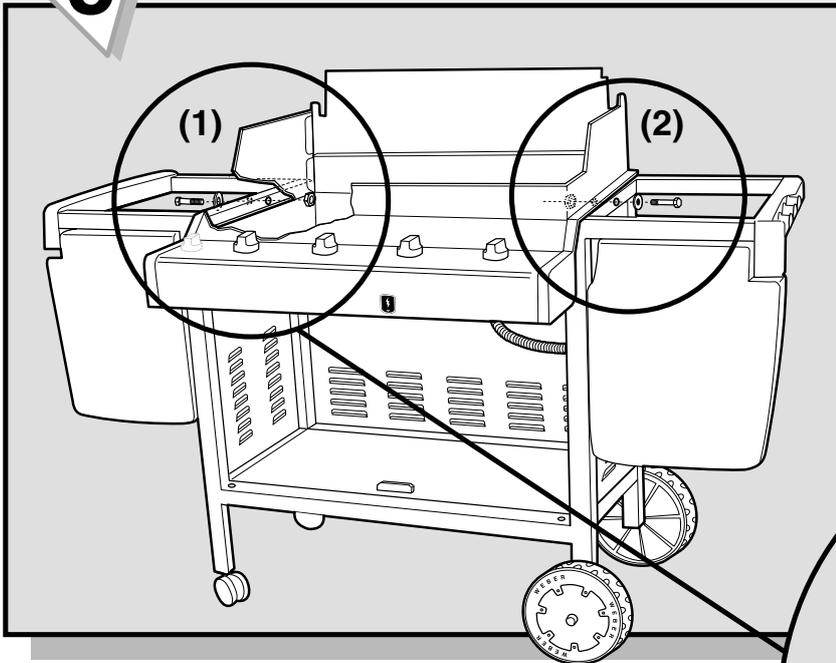


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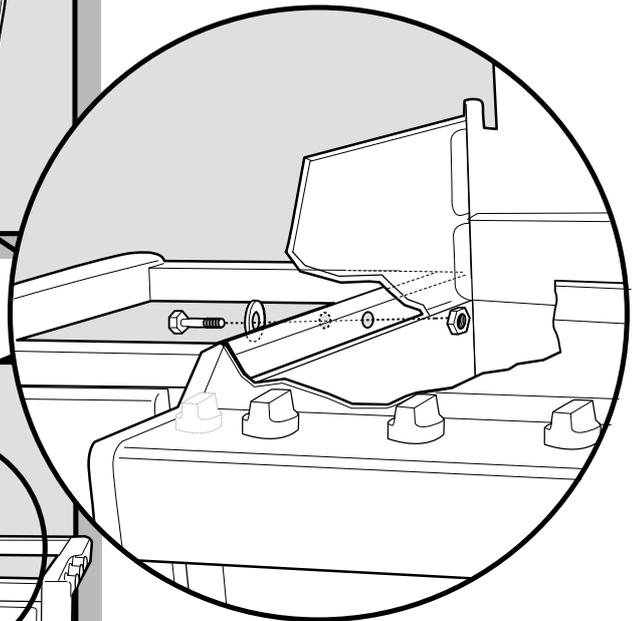
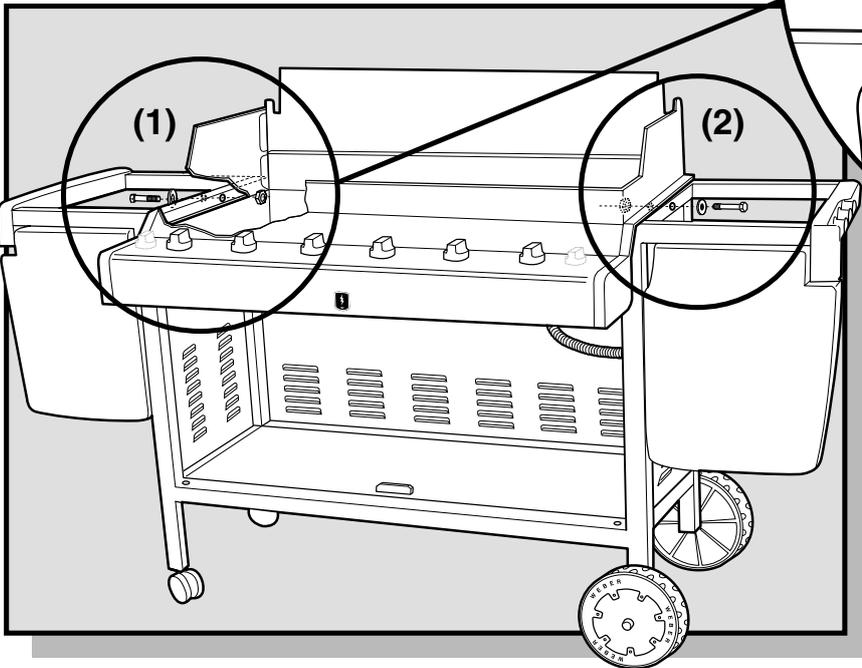


C

SUMMIT® SILVER



SUMMIT® GOLD

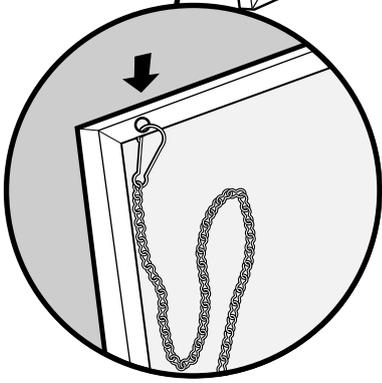
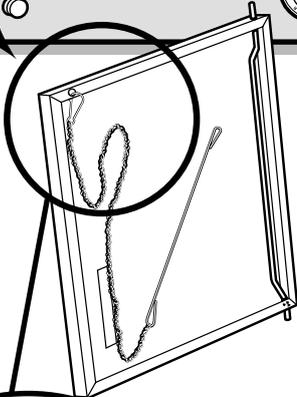
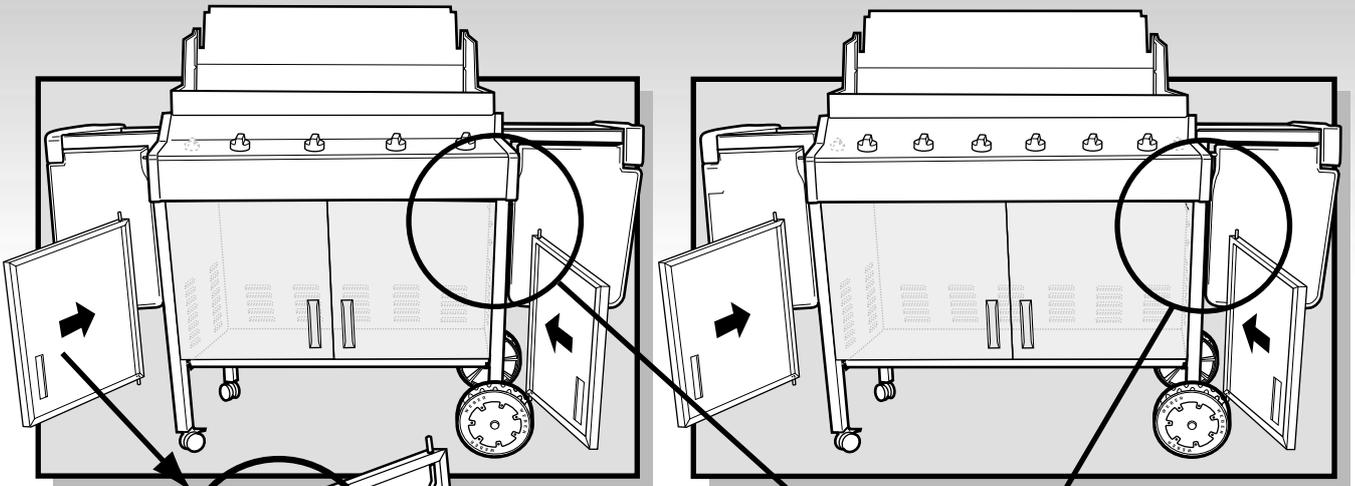




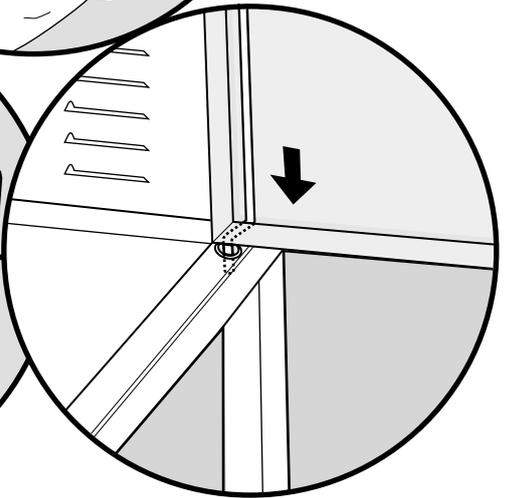
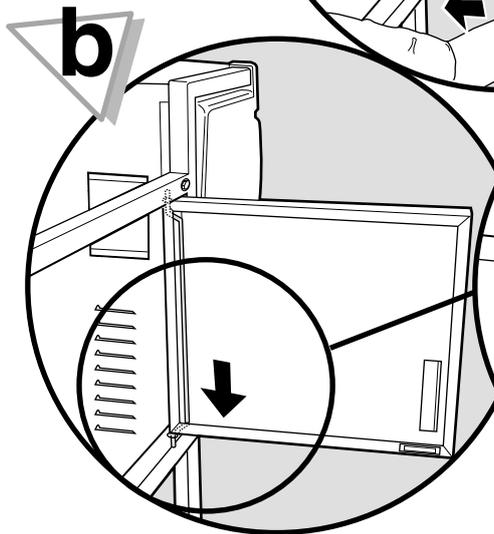
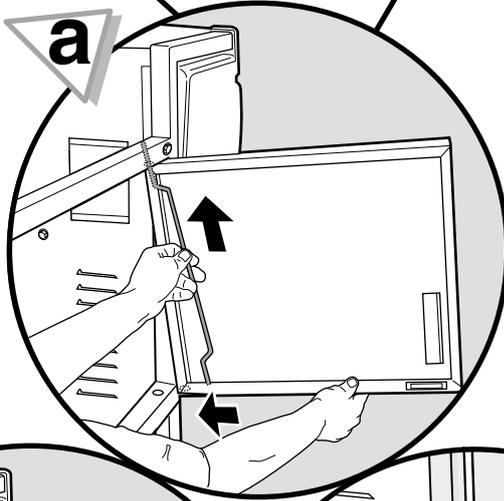
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SUMMIT<sup>®</sup> SILVER

SUMMIT<sup>®</sup> GOLD

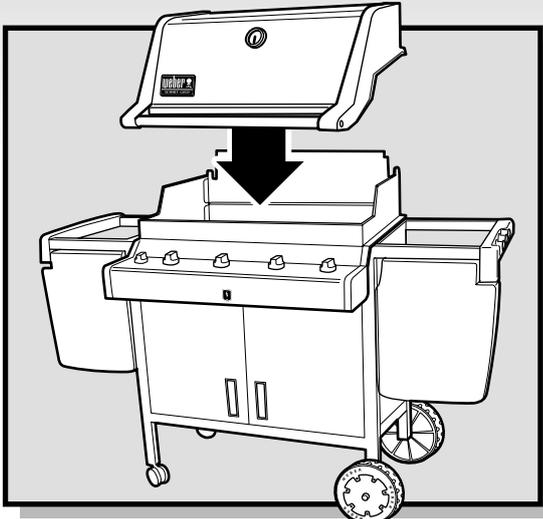
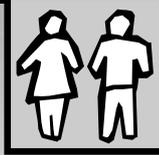
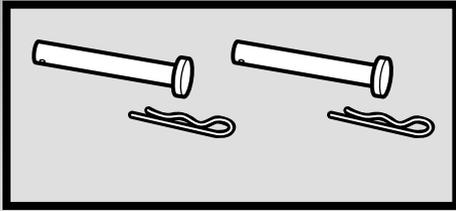


Matchlight Holder

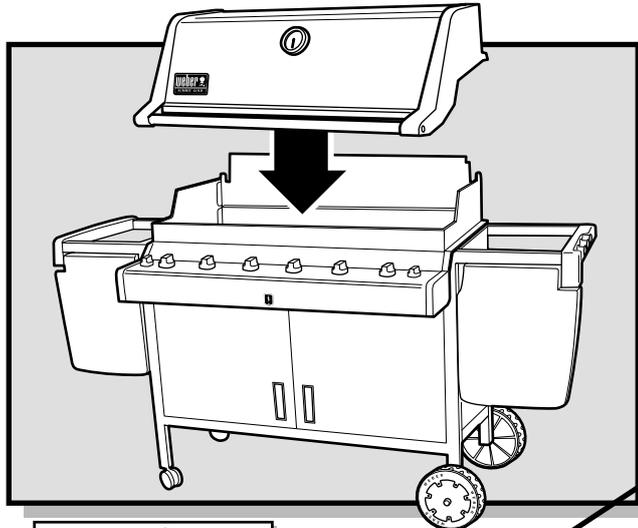




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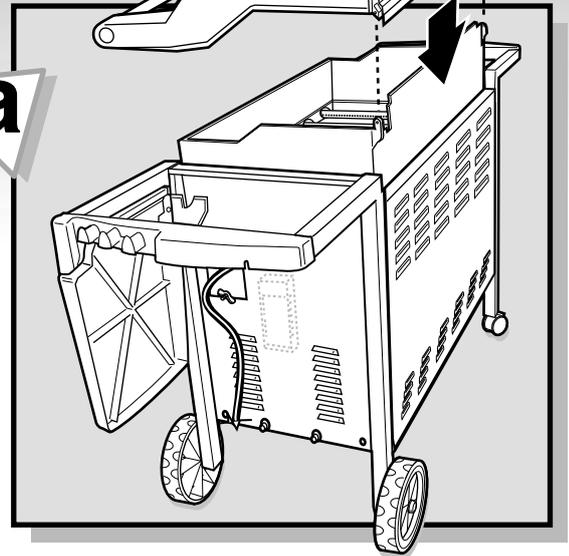


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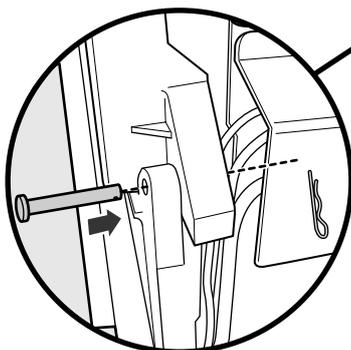
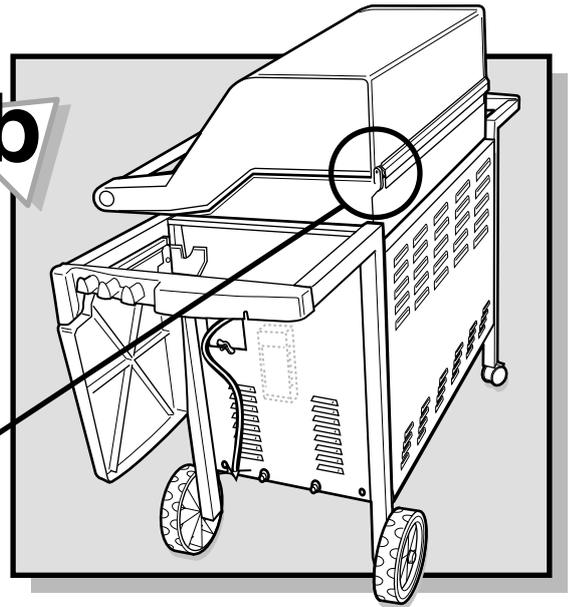


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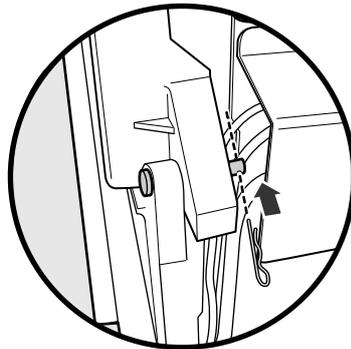
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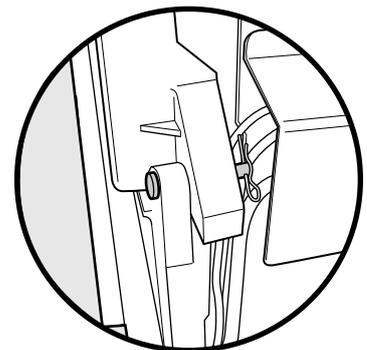
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(1)



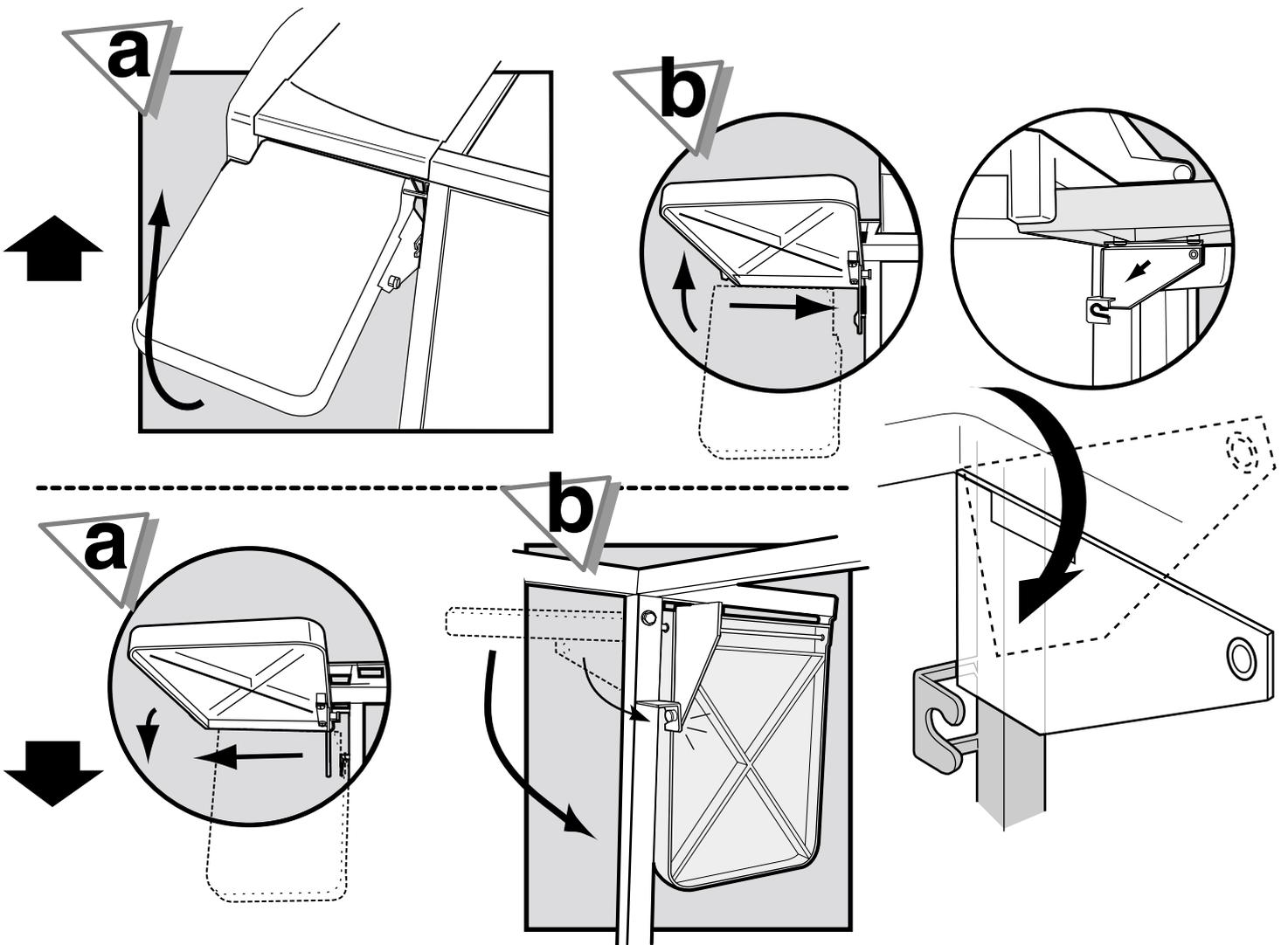
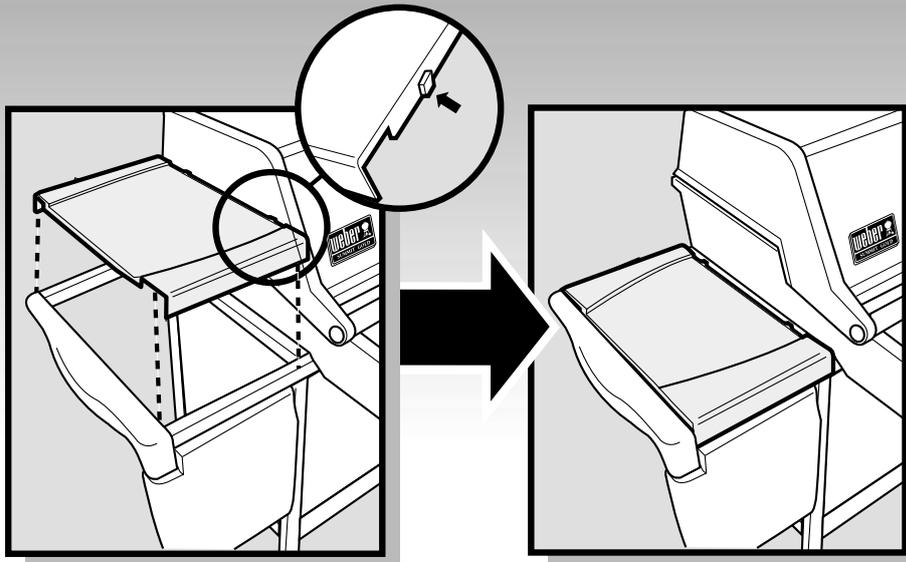
(2)



(3)



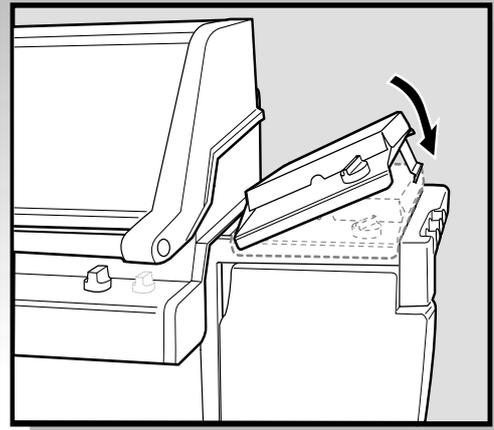
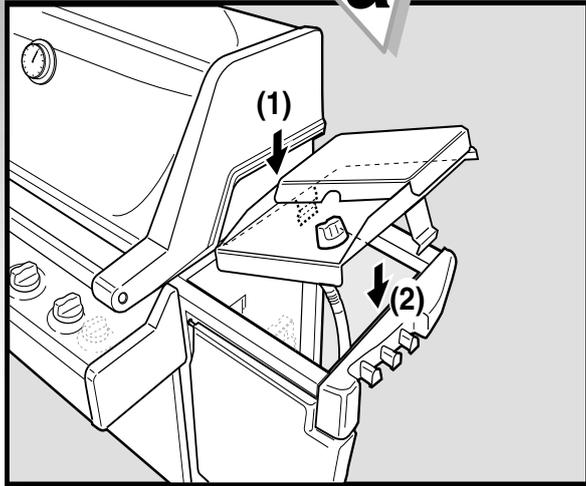
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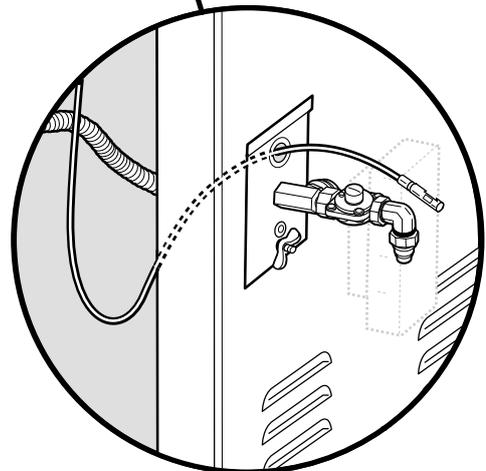
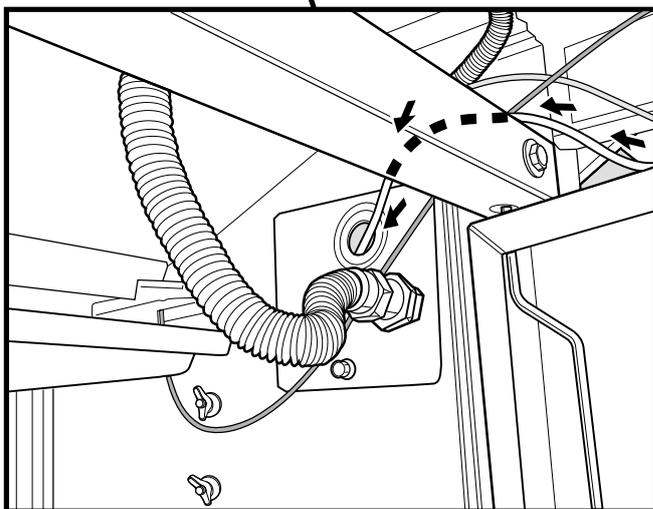
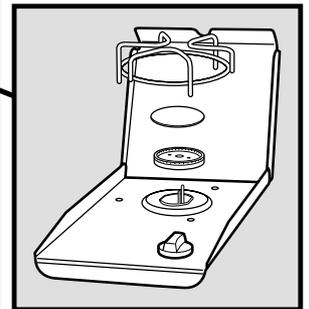
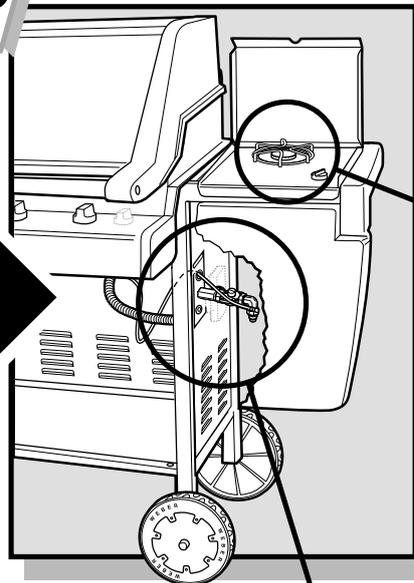
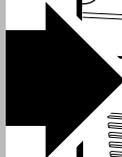
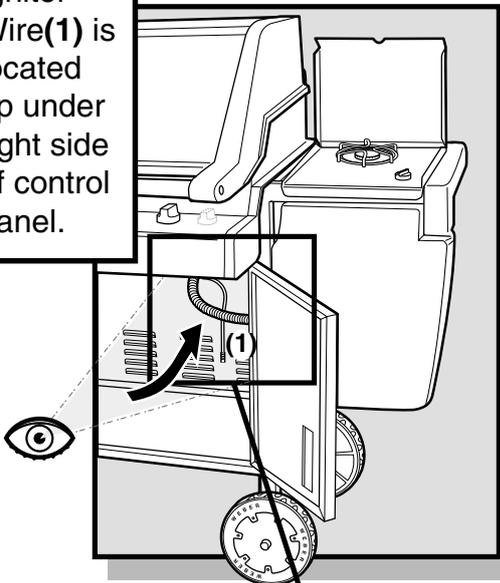
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a



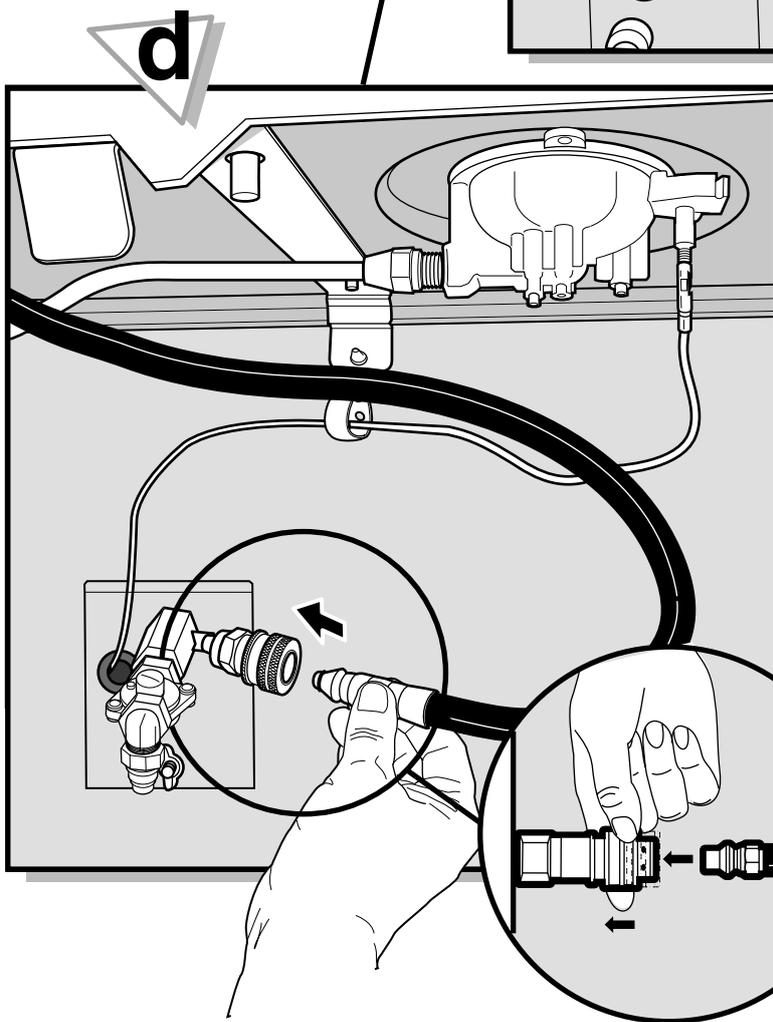
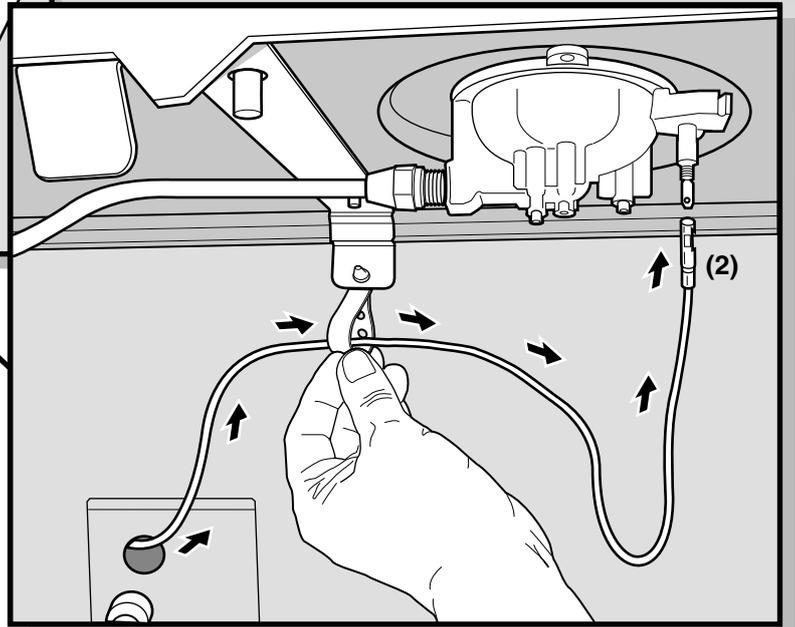
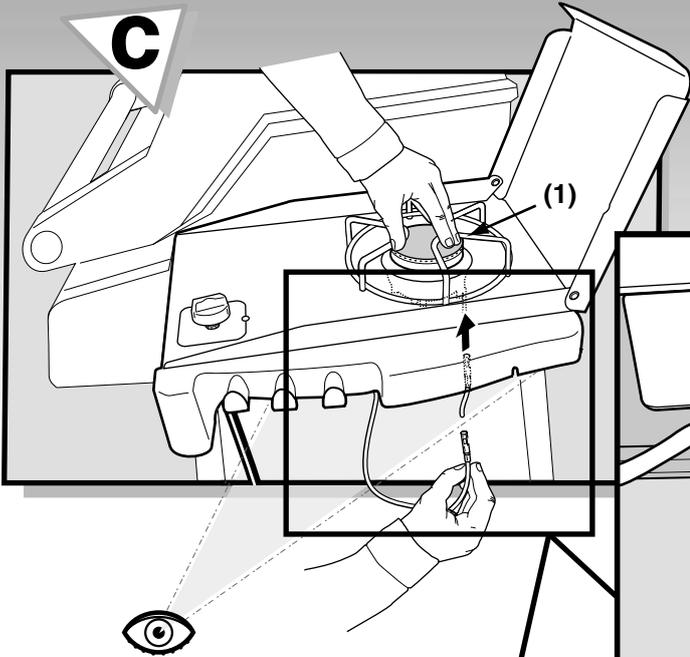
**NOTE:**  
Igniter Wire(1) is located up under right side of control panel.

b



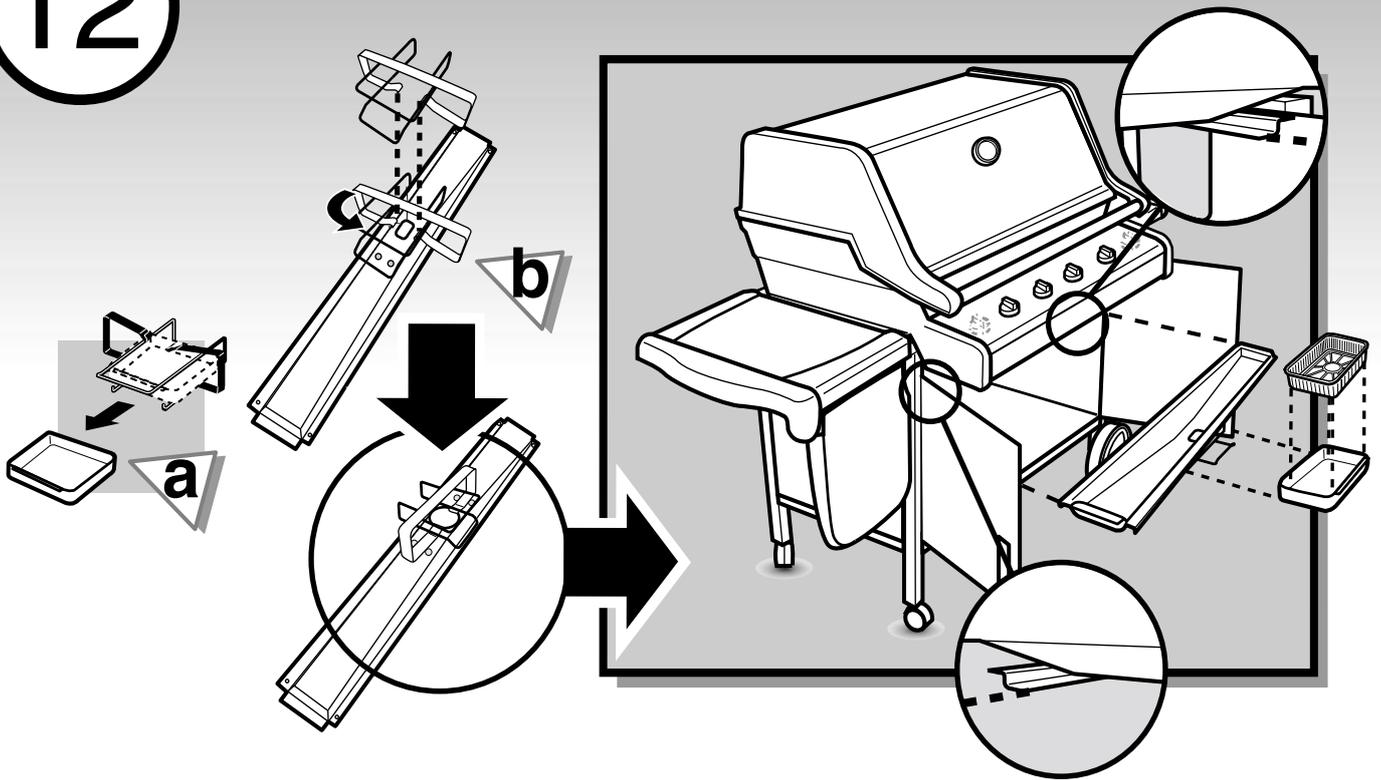


**⚠ CAUTION:** Hold burner cap(1) down while pushing side burner ignition wire(2) on.

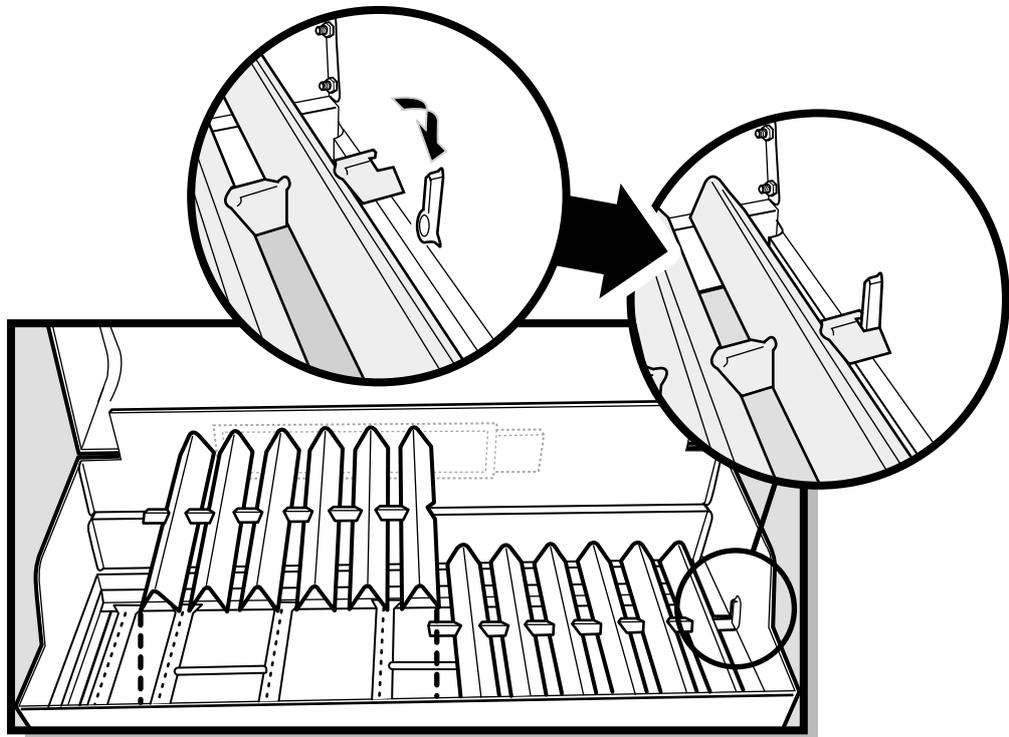




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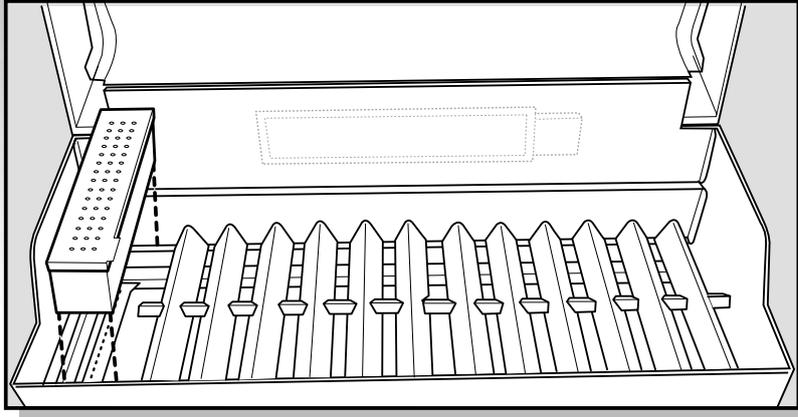


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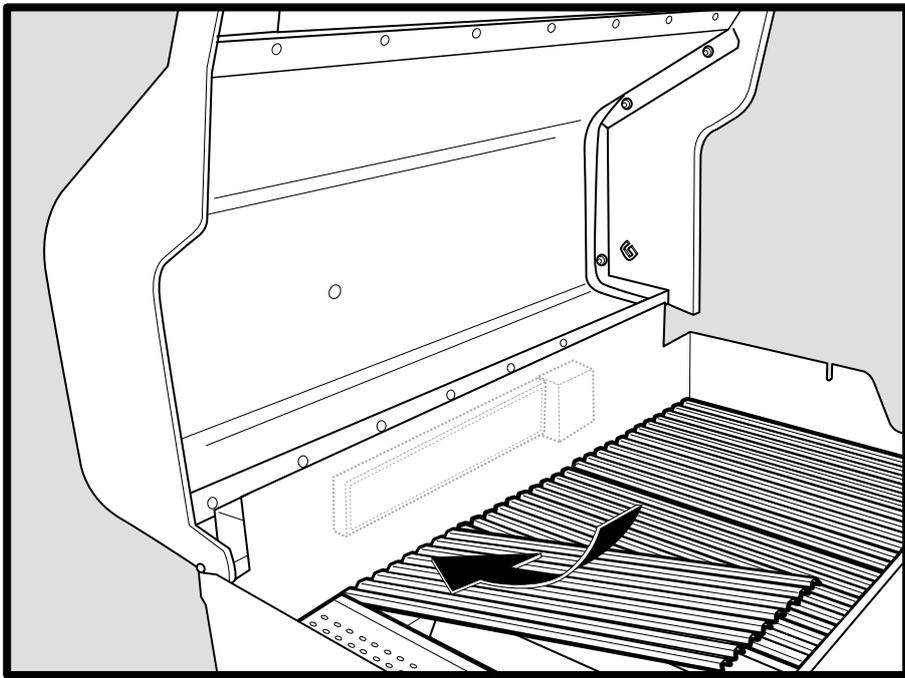




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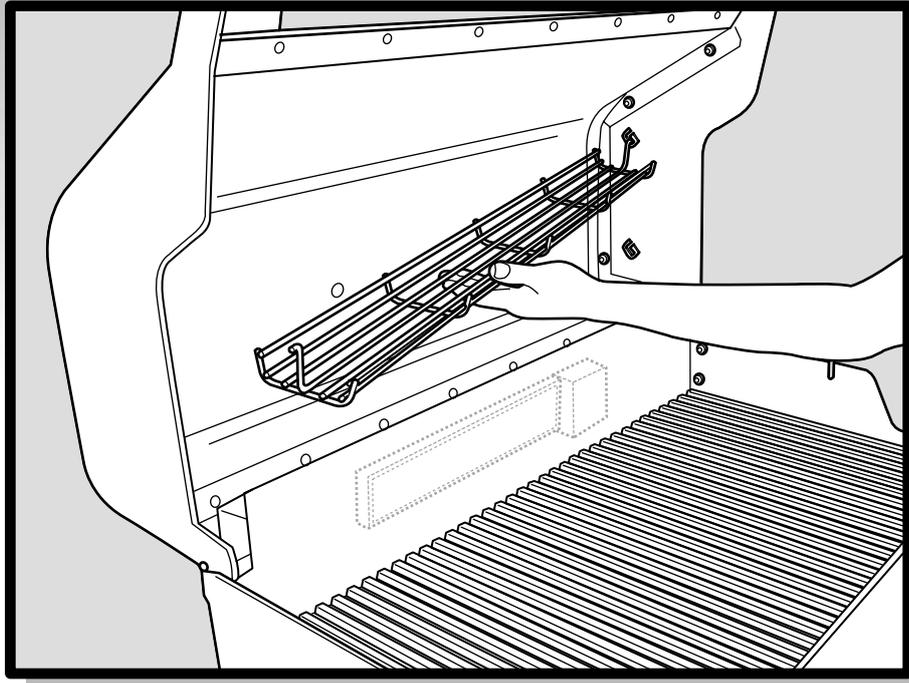


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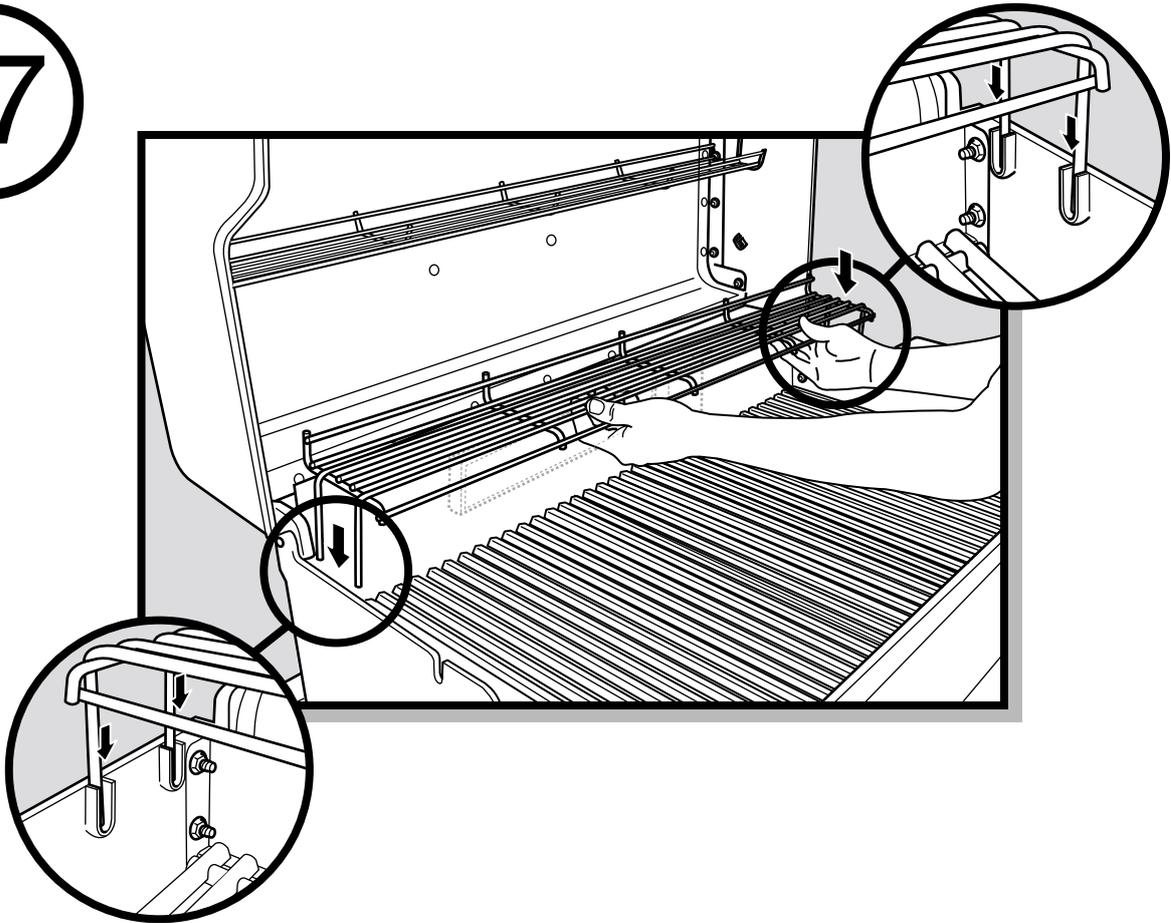




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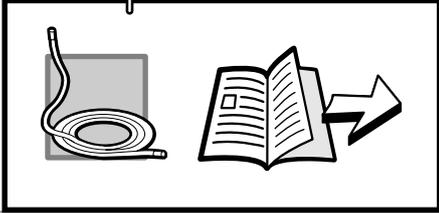
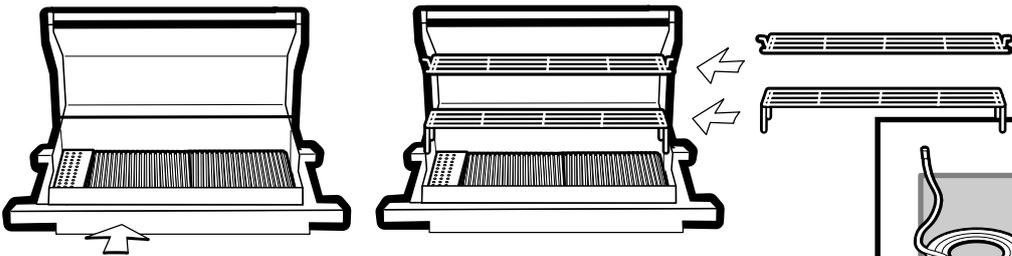
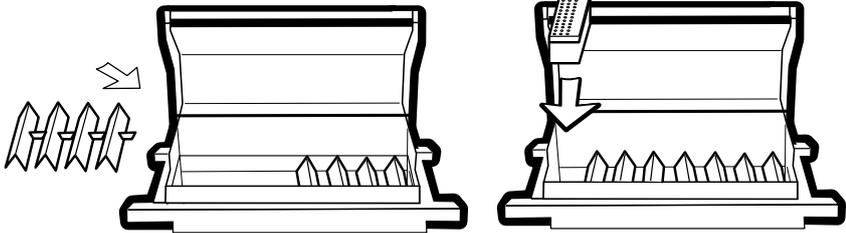
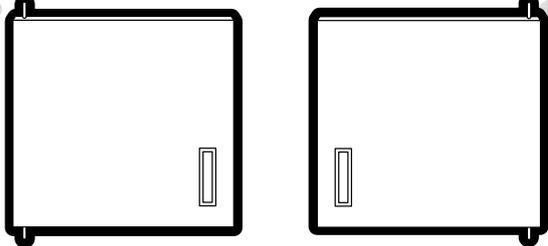
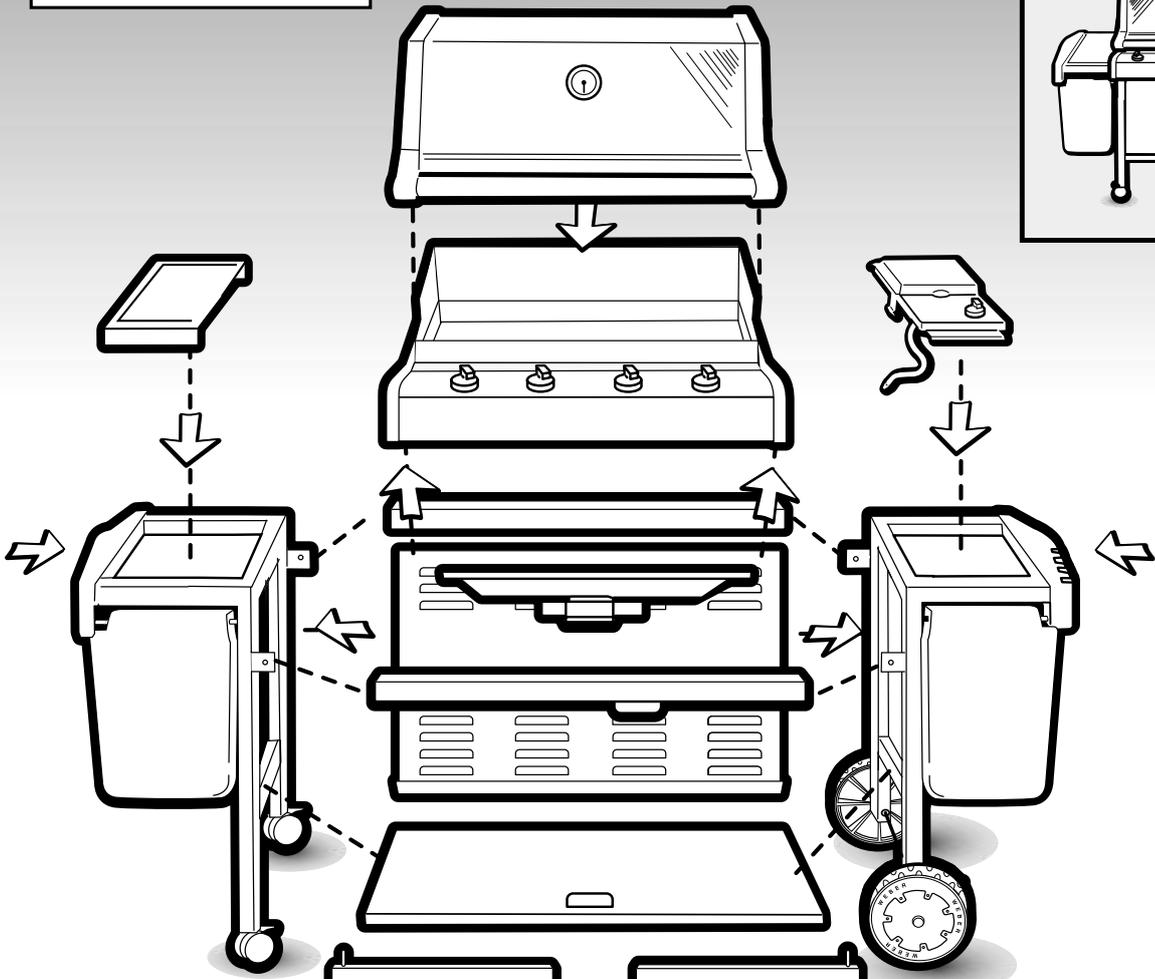
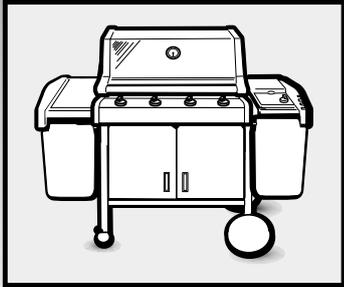


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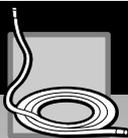




**SUMMIT® SILVER C**



# Gas Instructions



## Install Gas Supply

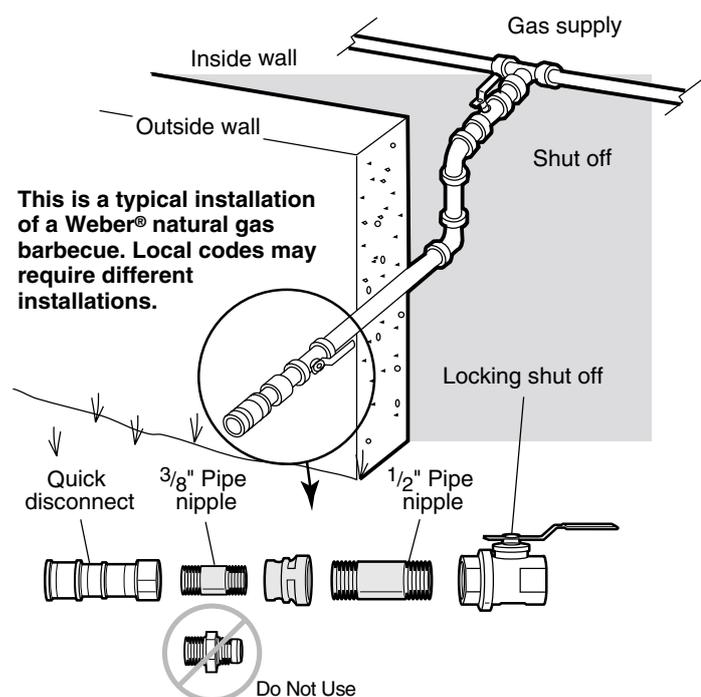
### General Specifications for Piping

**Note - Contact your local municipality for building codes regulating outdoor gas barbecue installations. In absence of Local Codes, you must confirm to the latest edition of ANSI Z223.1. WE RECOMMEND THAT THIS INSTALLATION BE DONE BY A PROFESSIONAL.**

Some of the following are general requirements taken from ANISI Z223.1 latest edition for complete specifications.

- This barbecue is designed to operate at 7 inches of water column pressure (.2526 psi).
- A manual shut-off valve must be installed outdoors, immediately ahead of the quick disconnect.
- An additional manual shut-off valve indoors should be installed in the branch fuel line in an accessible location near the supply line
- The quick disconnect connects to a 3/8 inch NPT thread from the gas source. The quick disconnect fitting is a hand-operated device that automatically shuts OFF the flow of gas from the source when the barbecue is disconnected
- The quick disconnect fitting can be installed horizontally, or pointing downward. Installing the fitting with the open end pointing upward can result in collecting water and debris.
- The dust covers (supplied plastic plugs) help keep the open ends of the quick disconnect fitting clean while disconnected.
- Pipe compound should be used which is resistant to the action of natural gas when connections are made.
- The outdoor connector must be firmly attached to rigid, permanent construction.

**⚠ WARNING: Do not route the 12 foot hose under a deck. The hose must be visible.**



C407\_NG.c

## Gas Line Piping

- If the length of the line required does not exceed 50 feet, use a 5/8" O.D. tube. One size larger should be used for lengths greater than 50 feet.
- Gas piping may be copper tubing, type K or L; polyethylene plastic tube, with a minimum wall thickness of .062 inch; or standard weight (schedule 40) steel or wrought iron pipe.
- Copper tubing must be tin-lined if the gas contains more than 0.3 grams of hydrogen sulfide per 100 cubic feet of gas.
- Plastic tubing is suitable only for outdoor, underground use.
- Gas piping in contact with earth, or any other material which may corrode the piping, must be protected against corrosion in an approved manner.
- Underground piping must have a minimum of 18" cover

## Test Connections

All connections and joints must be thoroughly tested for leaks in accordance with local codes and all listed procedures in the latest edition of ANSI Z223.1

### ⚠ DANGER

**Do not use an open flame to check for gas leaks. Be sure there are no sparks or open flames in the area while you check for gas leaks. This will result in a fire or explosion which can cause serious bodily injury or death and damage to property.**

### Check that all burner valves are off

Valves are shipped in the OFF position, but you should check to be sure that they are turned OFF. Check by pushing down and turning clockwise. If they do not turn, they are off. Proceed to the next step. If they do turn continue turning them clockwise until they stop, then they are off. Proceed to the next step.



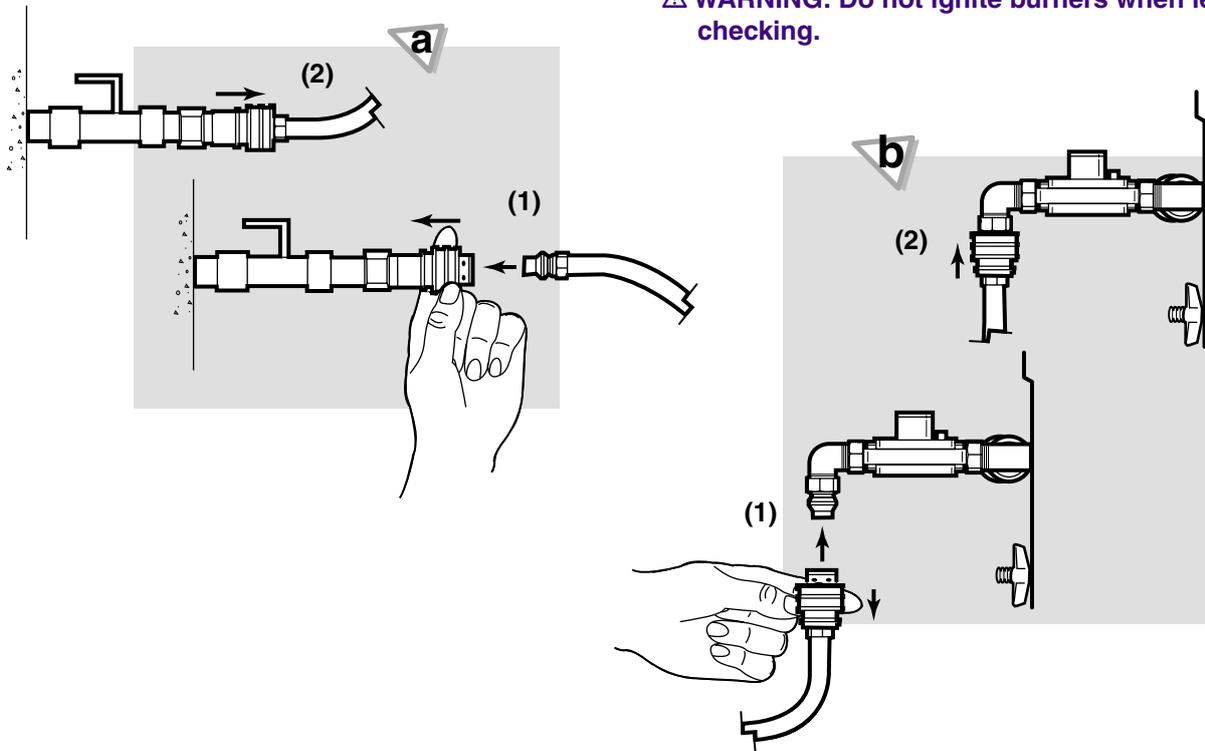
# Gas Instructions

## Connect Gas Supply

**a) To connect gas hose at the supply:** Slide back the collar of the quick disconnect. Push male fitting of the hose into the quick disconnect, and maintain pressure(1). Slide the collar closed(2). If it does not engage or lock, repeat procedure.

**b) To connect gas hose at the Grill:** Slide back the collar of the quick disconnect. Push male fitting of the grill connection into the quick disconnect, and maintain pressure(1). Slide the collar closed(2). If it does not engage or lock, repeat procedure.

Gas will not flow unless the quick disconnect is properly engaged.



## Check for Gas Leaks

**⚠ DANGER**

**Do not use an open flame to check for gas leaks. Be sure there are no sparks or open flames in the area while you check for leaks. Sparks or open flames will result in a fire or explosion which can cause serious bodily injury or death and damage to property.**

**⚠ WARNING: You should check for gas leaks every time you disconnect and reconnect a gas fitting.**

**⚠ WARNING: Perform these leak checks even if your barbecue was dealer or store assembled.**

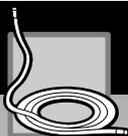
Turn on gas supply.

Check for leaks by wetting the connections with the soap and water solution and watching for bubbles. If bubbles form or if a bubble grows, there is a leak.

*Note - Since some leak test solutions, including soap and water, may be slightly corrosive, all connections should be rinsed with water after checking for leaks.*

**⚠ WARNING: Do not ignite burners when leak checking.**

# Gas Instructions

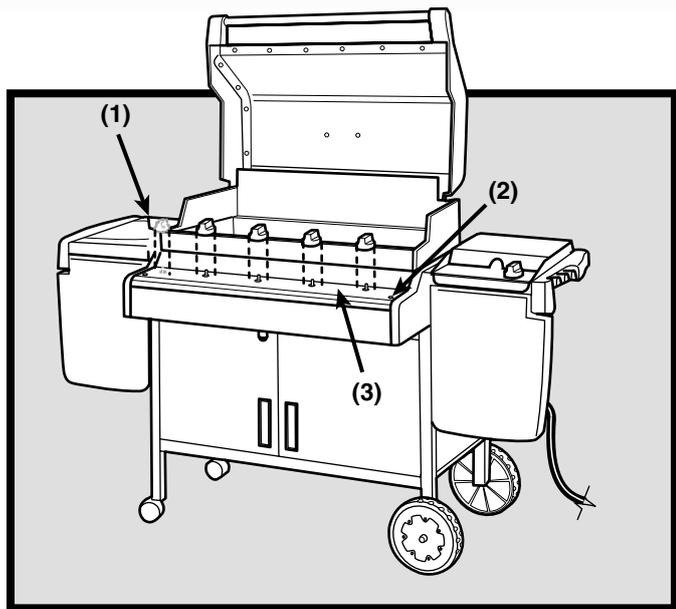


**⚠WARNING :** The gas connections of your Summit® gas grill have been factory tested. We do however recommend that you leak check all gas connections before operating your Summit® gas grill.

## Remove control panel

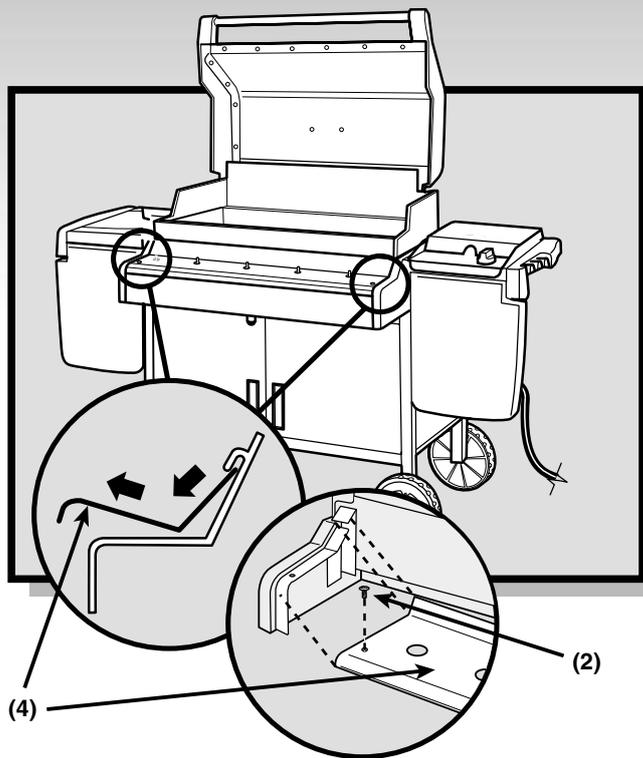
*Part required: Phillips Screwdriver.*

Remove the burner control knobs (1). The screws (2) need to be removed from the control panel (3) before the control panel is removed from the grill.

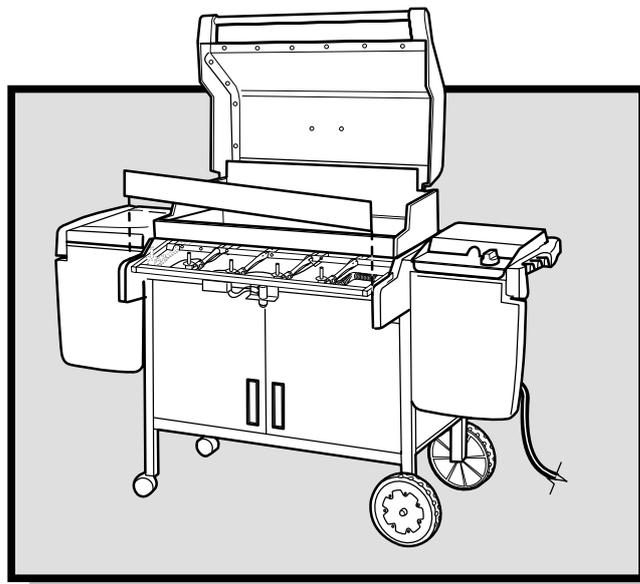


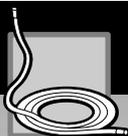
Put your fingers under the front edge of the control panel and lift off.

Completely remove the control panel (4) from the cooking box assembly exposing the valves, burners, igniter, and manifold.



Remove the Front Panel by sliding the panel up and out of the slots.





# Gas Instructions

## Check for gas leaks

### ⚠ DANGER

Do not use an open flame to check for gas leaks. Be sure there are no sparks or open flames in the area while you check for leaks. Sparks or open flames will result in a fire or explosion which can cause serious bodily injury or death and damage to property.

⚠ **WARNING:** You should check for gas leaks every time you disconnect and reconnect a gas fitting.

*Note - All factory-made connections have been thoroughly checked for gas leaks. The burners have been flame-tested. As a safety precaution however, you should recheck all fittings for leaks before using your Weber® gas barbecue. Shipping and handling may loosen or damage a gas fitting.*

⚠ **WARNING:** Perform these leak checks even if your barbecue was dealer or store assembled.

You will need: a soap and water solution, and a rag or brush to apply it.

Make sure side burner is OFF. Remove valve control knob and screws. Remove porcelain top.

To perform leak checks: Slide back the collar of the quick disconnect. Push male fitting of the hose into the quick disconnect, and maintain pressure(1). Slide the collar closed(2). If it does not engage or lock, repeat procedure. Gas will not flow unless the quick disconnect is properly engaged.

Turn on gas supply.

Check for leaks by wetting the connections with the soap and water solution and watching for bubbles. If bubbles form or if a bubble grows, there is a leak.

*Note - Since some leak test solutions, including soap and water, may be slightly corrosive, all connections should be rinsed with water after checking for leaks.*

⚠ **WARNING:** Do not ignite burners when leak checking.

Check:

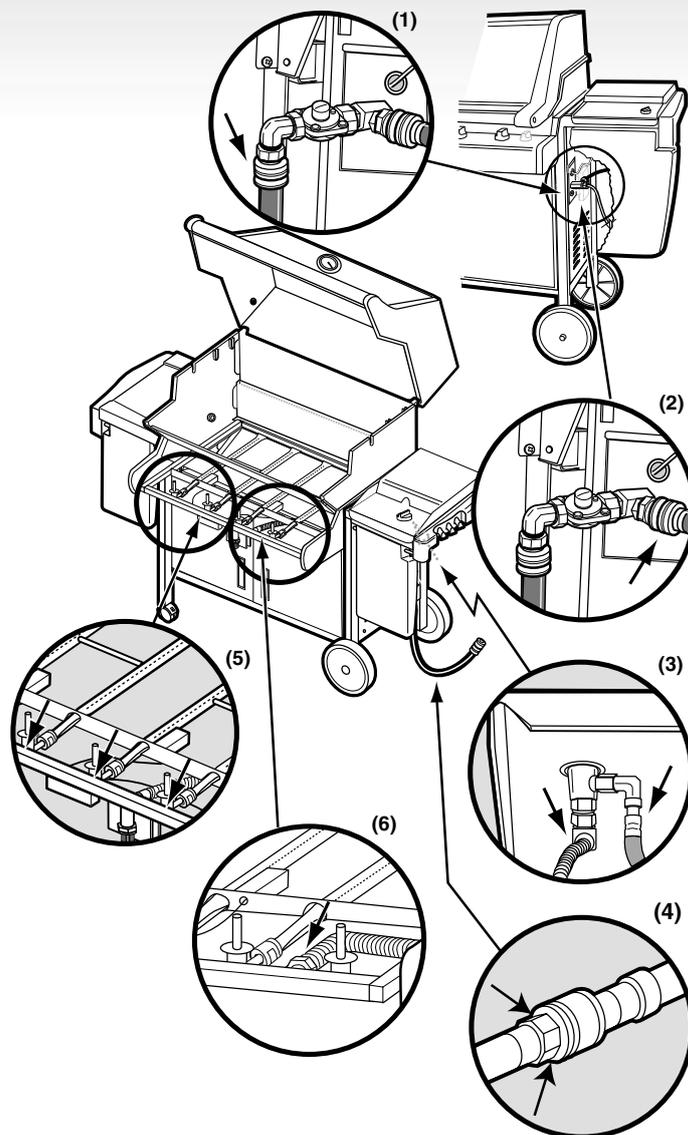
- 1) Quick disconnect hose to grill connection
- 2) Side burner hose to manifold connection
- 3) Side burner hose to side burner connection
- 4) Hose to quick disconnect connection (gas supply)
- 5) Valve to manifold connection

⚠ **WARNING:** If there is a leak at connections (1),(2),(3),(4) or (5) turn OFF the gas. DO NOT OPERATE THE GRILL. Contact the Customer Service Representative in your region using the contact information sheet provided with your manual.

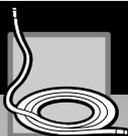
When leak checks are complete, turn gas supply OFF at the source and rinse connections with water.

- 6) Gas line to manifold connections.

⚠ **WARNING:** If there is a leak at connection (6), retighten the fitting with a wrench and recheck for leaks with soap and water solution. If a leak persists after retightening the fitting, turn OFF the gas. DO NOT OPERATE THE GRILL. Contact the Customer Service Representative in your region using the contact information sheet provided with your manual.



# Gas Instructions



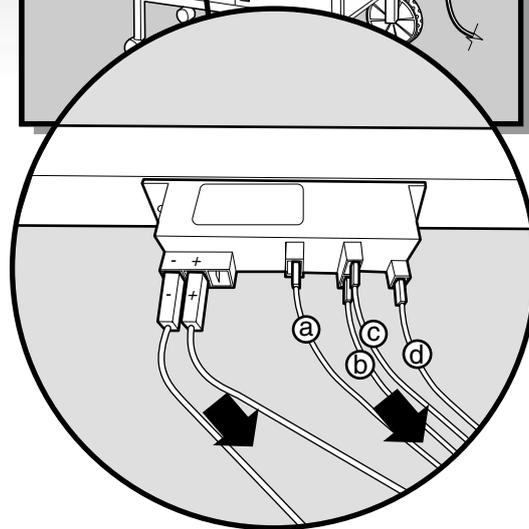
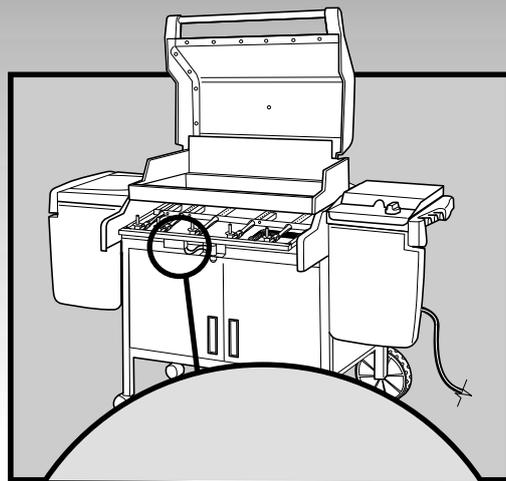
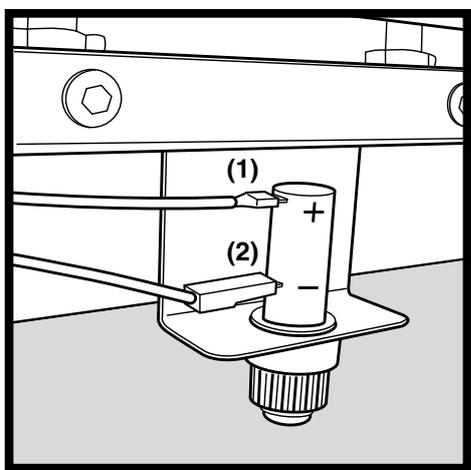
## Reinstall control panel

*Parts required: control panel, screws, and burner control knobs.*

Place the control panel back onto the control panel brackets on either side of the front of the cooking box. Line up screws with screw holes on both the control panel and control panel brackets. Tighten screws.

Reinstall burner control knobs & igniter wires (if necessary).

Place corresponding control knobs down onto the valve stems. From the underside of the control panel, replace the two wires **(1, 2)** of each igniter.



a = Blue Tab with Black Wire  
b = Yellow Tab with Black Wire  
c = White Tab with Black Wire  
d = Solid White Wire



# Operating Instructions

## Grilling Methods

**NOTE: If grill loses heat while cooking refer to the troubleshooting section of this manual.**

You can adjust the Left and Right burners in each burner set as desired. The control settings are High (H), Medium (M), Low (L), or Off (O).

**If burners go out during cooking, turn off all burners and wait 5 minutes before relighting.**

**⚠WARNING: Check the bottom tray and catch pan for grease build-up before each use. Remove excess grease to avoid a grease fire in the bottom tray.**

Preheating the grill before grilling is important. Light your Summit® gas grill according to the instructions in this Owner's Manual. **Turn both burners in each burner set to High (HH), close the lid, and preheat grill with the lid down until grill thermometer reaches 550°F. This is the recommended broiling temperature.**

### Preheating

Preheating the grill before grilling is very important. Light your Summit® gas grill according to the instructions in your Owner's Manual. Close the lid and wait until the thermometer in your lid reaches 500°-550°F (260°-288°C). This will take approximately 10 to 15 minutes, depending on outside temperatures.

### Covered cooking

All grilling is done with the lid down to provide uniform, evenly circulated heat. With the lid closed, the Summit® gas grill cooks much like a convection oven. The thermometer in the lid indicates the cooking temperature inside the grill. All preheating and grilling is done with the lid down. No peeking — heat is lost every time you lift the lid.

### Flavorizer® system

When meat juices drip from the food onto the specially angled Flavorizer® bars, they create smoke that gives foods an irresistible barbecued flavor. Thanks to the unique design of the burners, Flavorizer® bars and the flexible temperature controls, uncontrolled flare-ups are virtually eliminated, because YOU control the flames. Because of the special design of the Flavorizer® bars and burners, excess fats are directed through the funnel-shaped bottom tray into the grease catch pan.

*The most important thing to know about grilling is which cooking method to use for a specific food, Direct or Indirect. The difference is simple: place the food directly over the fire, or arrange the fire on either side of it. Using the right method is the shortest route to great results—and the best way to ensure doneness safety.*

### Direct cooking

The Direct Method, similar to broiling, means the food is cooked directly over the heat source. For even cooking, food should be turned once halfway through the grilling time.

Use the Direct method for foods that take less than 25 minutes to cook: steaks, chops, kabobs, sausages, vegetables, and more.

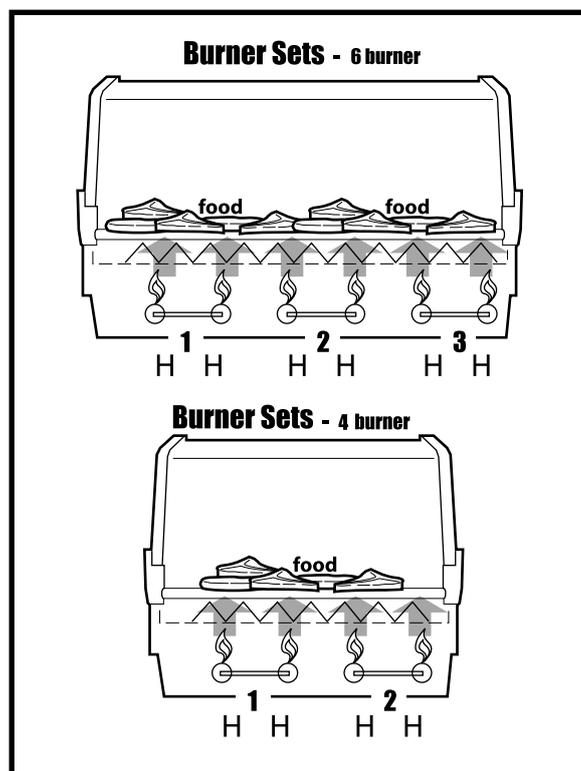
Direct cooking is also necessary to sear meats. Searing creates that wonderful crisp, caramelized texture where the food hits the grate. It also adds great color and flavor to the entire surface. Steaks, chops, chicken breasts, and larger cuts of meat all benefit from searing.

To sear meats, place them over Direct High heat for 2 to 5 minutes per side. Smaller pieces require less searing time. Usually after searing you finish cooking the food at a lower temperature. You

can finish cooking fast-cooking foods by the Direct method; use

the Indirect method for longer-cooking foods.

To set up your gas grill for Direct cooking, preheat the grill with all burners on High. Place food on the cooking grate, and then adjust all burners to the temperature noted in the recipe. Close the lid of the grill and lift it only to turn food or to test for doneness at the end of the recommended cooking time.



### Direct Method

*Food is placed on the area of the cooking grates directly over the lit burners.*

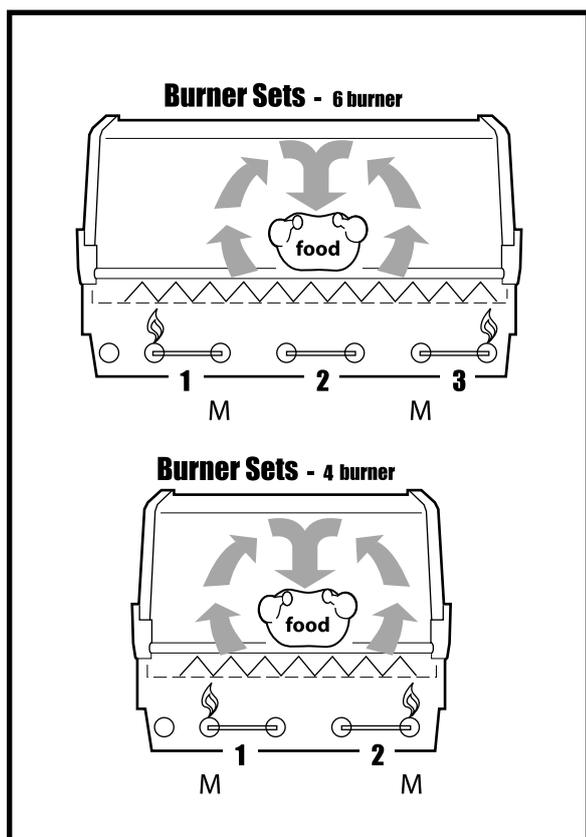


# Operating Instructions

## Indirect cooking

The Indirect Method is similar to roasting, but with the added benefits of that grilled texture, flavor, and appearance you can't get from an oven. To set up for Indirect cooking, gas burners are lit on either side of the food but not directly beneath it. Heat rises, reflects off the lid and inside surfaces of the grill, and circulates to slowly cook the food evenly on all sides, much like a convection oven, so there's no need to turn the food.

Use the Indirect method for foods that require 25 minutes or more of grilling time or that are so delicate that direct exposure to the flame would dry them out or scorch them. Examples include roasts, ribs, whole chickens, turkeys, and other large cuts of meat, as well as delicate fish fillets. To set up your gas grill for Indirect cooking, preheat the grill with all burners on High. Then adjust the burners on each side of the food to the temperature noted in the recipe and turn off the burner(s) directly below the food. For best results, place roasts, poultry, or large cuts of meat on a roasting rack set inside a disposable heavy-gauge foil pan. For longer cooking times, add water to the foil pan to keep drippings from burning. The drippings can be used to make gravies or sauces.



## Indirect Method

*Food is placed on the area of the cooking grates between the lit burners.*

## Grilling Tips & Helpful Hints

- Always preheat the grill before cooking. Set all burners on HIGH heat and close lid; heat for 10 minutes, or until thermometer registers 500°-550°F (260°-288°C).
- Sear meats and cook with the lid down for perfectly grilled food every time.
- Grilling times in recipes are based on 70°F (20°C) weather and little or no wind. Allow more cooking time on cold or windy days, or at higher altitudes. Allow less cooking time in extremely hot weather.
- Grilling times in charts and recipes are approximate. Times can vary because of the weather, or the amount, size and shape of the food being grilled.
- The temperature of your Summit® gas grill may run hotter than normal for the first few uses.
- Grilling conditions may require the adjustment of the burner controls to attain the correct cooking temperatures.
- In general, large pieces of meat will require more cooking time per pound than small pieces of meat. Foods on a crowded cooking grate will require more cooking time than just a few foods. Foods grilled in containers, such as baked beans, will require more time if grilled in a deep casserole rather than a shallow baking pan.
- Trim excess fat from steaks, chops and roasts, leaving no more than a scant 1/4 inch of fat. Less fat makes cleanup easier, and is a virtual guarantee against unwanted flare-ups.
- Foods placed on the cooking grate directly above burners may require turning or moving to a less hot area.
- Use tongs rather than a fork for turning and handling meats to avoid losing natural juices. Use two spatulas for handling large whole fish.
- If an unwanted flare-up should occur, turn all burners to OFF and move food to another area of the cooking grate. Any flames will quickly subside. After flames subside, relight the grill. **NEVER USE WATER TO EXTINGUISH FLAMES ON A GAS GRILL.**
- Some foods, such as a casserole or thin fish fillets, will require a container for grilling. Disposable foil pans are very convenient, but any metal pan with ovenproof handles can also be used.
- Always be sure the bottom tray and grease catch pan are clean and free from debris.
- Do not line the funnel-shaped bottom tray with foil. This could prevent the grease from flowing into the grease catch pan.
- Using a timer will help to alert you when "well-done" is about to become "over-done."



# Operating Instructions

## Lighting

Summary lighting instructions are on the control panel.

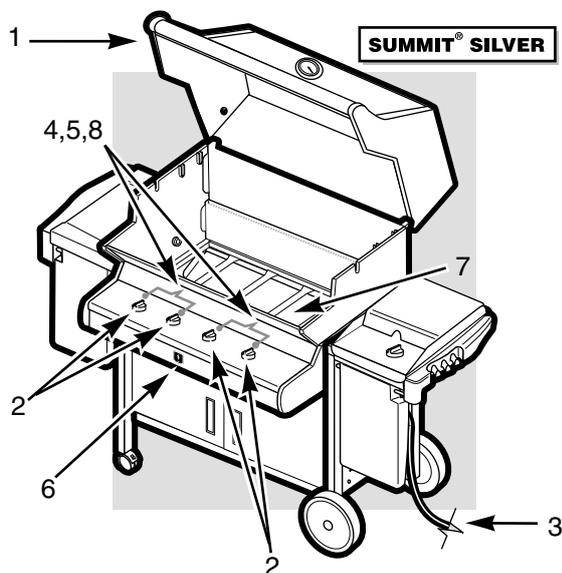
### **⚠ DANGER**

Failure to open the lid while igniting the barbecue's burners, or not waiting 5 minutes to allow the gas to clear if the barbecue does not light, may result in an explosive flame-up which can cause serious bodily injury or death.

## Crossover® Ignition System

Note - The Crossover® ignition system ignites the set of left burners with a spark from the igniter electrode inside the Gas Catcher™ ignition chamber. You generate the energy for the spark by pushing the electronic ignition button.

**⚠ WARNING:** Check hose before each use of barbecue for nicks, cracking, abrasions or cuts. If the hose is found to be damaged in any way, do not use the barbecue. Replace using only Weber® authorized replacement hose. Contact the Customer Service Representative in your region using the contact information sheet provided with your manual.

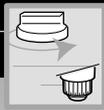


\*The grill illustrated may have slight differences than the model purchased.

- 1) Open the lid.
- 2) Make sure all burner control knobs are turned OFF. (Push each burner control knob down and turn clockwise to ensure that they are in the off position.)
- 3) Turn the gas supply valve on.  
**⚠ WARNING: Do not lean over the open grill while lighting.**
- 4) Select the burner set you want to operate.
- 5) Push LEFT burner control knob down and turn to START/Hi in selected burner set.
- 6) Push igniter button and hold until burner ignites. You will hear the igniter sparker.
- 7) Check that the burner is lit by looking through the cooking grates. You should see a flame.  
**⚠ WARNING: If the burner does not light, turn the LEFT burner control knob to OFF and wait 5 minutes to let the gas clear before you try again or try to light with a match.**
- 8) After the LEFT burner is lit you can turn on the RIGHT burner adjacent to it. The RIGHT burner lights from the LEFT burner.

## To Extinguish

Push down and turn each burner control knob clockwise to the OFF position. Turn gas supply OFF at the source.



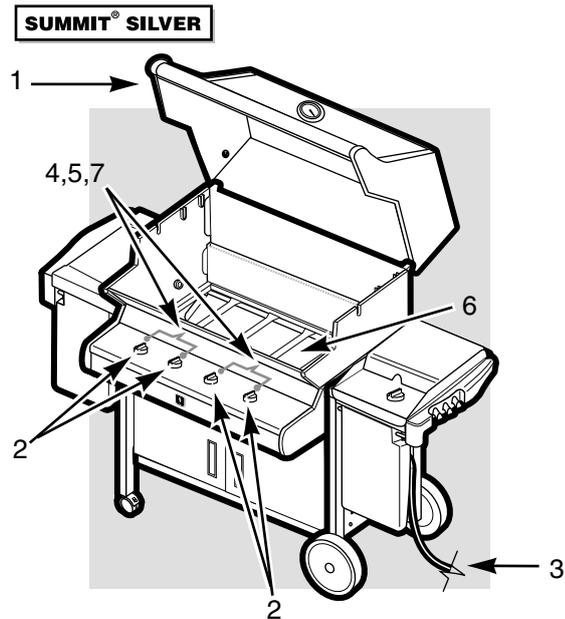
# Operating Instructions

## Manual Lighting

### ⚠ DANGER

Failure to open lid while igniting the barbecue's burners, or not waiting 5 minutes to allow the gas to clear if the barbecue does not light, may result in an explosive flame-up which can cause serious bodily injury or death.

- 1) Open the lid.
  - 2) Make sure all burner control knobs are turned OFF. (Push each burner control knob down and turn clockwise to ensure they are in the off position.)
  - 3) Turn the gas supply valve on.
  - 4) Put match in the match holder and strike match.
- ⚠ **WARNING: Do not lean over open barbecue.**
- 5) Push LEFT burner control knob down and turn to START/HI.
  - 6) Insert match holder and lit match down through cooking grates and Flavorizer® bars to ignite LEFT burner in each selected burner set.



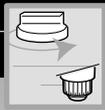
\*The grill illustrated may have slight differences than the model purchased.

⚠ **WARNING:** If the burner does not light, turn the LEFT burner control knob to OFF and wait 5 minutes to let the gas clear before you try again or try to light with a match.

- 7) After LEFT burner is lit you can turn on the RIGHT burner adjacent to it. The RIGHT burner lights from the LEFT burner.

## To Extinguish

Push down and turn each burner control knob clockwise to the OFF position. Turn gas supply OFF at the source.



# Operating Instructions

## Side Burner Lighting Instructions

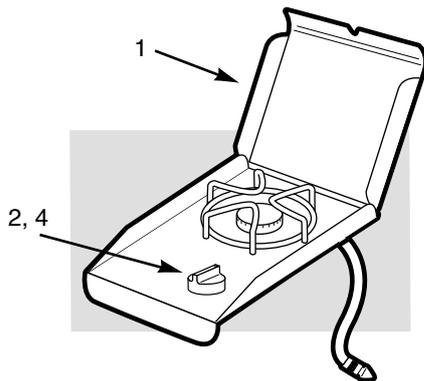
### ⚠ DANGER

Failure to open the lid while igniting the side burner, or not waiting 5 minutes to allow the gas to clear if the side burner does not light, may result in an explosive flame-up which can cause serious bodily injury or death.

#### Lighting only the side burner.

- 1) Open the side burner lid.
- 2) Check that the side burner valve is turned OFF. (Push each knob down and turn clockwise to ensure they are in the off position.), and all main burner control valves are OFF (push down and turn clockwise).
- 3) Turn the LP tank valve on (turn counter-lockwise).
- 4) Push down and turn the side burner control valve to START/HI.
- 5) Push igniter button and hold until burner ignites. You will hear the igniter sparking.

⚠ CAUTION: Side burner flame may be difficult to see on a bright sunny day.

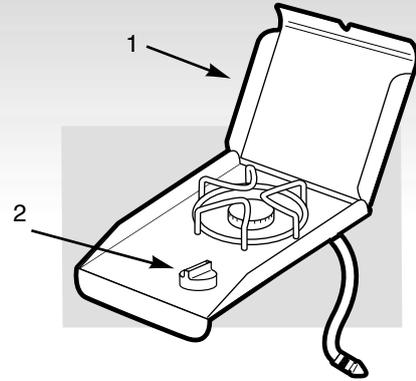


⚠ WARNING: If the side burner does not light:

- 1) Turn OFF the side burner control valve.
- 2) Wait 5 minutes to let the gas clear before you try again or try to light with a match.

#### Lighting the side burner if the main burners are lit.

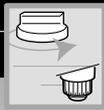
- 1) Open the side burner lid.
- 2) Push down and turn the side burner control to START/HI.
- 3) Push igniter button and hold until burner ignites. You will hear the igniter sparking.



⚠ CAUTION: Side burner flame may be difficult to see on a bright sunny day.

⚠ WARNING: If the side burner does not light:

- 1) Turn OFF the side burner control valve.
- 2) Wait 5 minutes to let the gas clear before you try again or try to light with a match.



# Operating Instructions

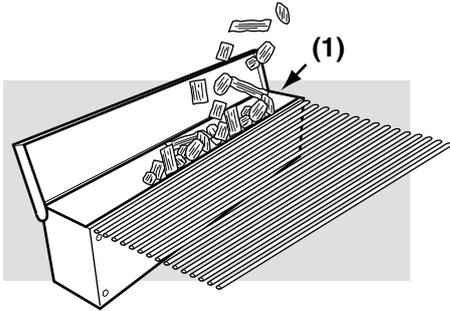
## Using the Smoker

The smoker uses presoaked wood chips. For best results with faster cooking foods like steaks, burgers and chops, etc., we recommend using finer wood chips because they ignite and create smoke faster. For longer cooking foods such as roasts, chicken and turkeys, etc., we recommend using larger wood chunks because they ignite slowly and provide smoke for a longer period of time. As you gain experience in using your smoker, we encourage you to experiment with different combinations of wood chips and chunks to find the smoke flavor that best suits your taste.

### To use the smoker

As a starting point, soak wood chips in water for at least 30 minutes before using. (Wet wood will produce more smoke flavor.) Place a handful of wood chips or a few larger chunks in the bottom of the smoker body(1). As you gain experience in smoking, increase or decrease the amount of wood to suit your taste.

*Note - Always grill with the lid closed to allow the smoke to fully penetrate the food.*



Light the smoker burner by following the instructions for Lighting The Smoker Burner After wood starts to smolder turn control knob to low.

Smoke will start in approximately 10 minutes and last as long as 45 minutes. If you require more smoke flavor, refill the smoker with wood chips and /or chunks. Keep the lid of the grill closed while cooking.

Note - After refilling smoker, smoke will take about 10 to 15 minutes to start again.

The smoker may be used to enhance any of the meat, poultry and fish recipes in the gas grill cookbook. Cook with the lid down according to the times indicated in charts or recipes.

### **⚠ DANGER**

**Do not use any flammable fluid in the smoker to ignite the wood. This will cause serious bodily injury.**

### Cleaning the smoker

Before each use, empty the smoker of ash to allow proper air flow.

Note - Smoking will leave a "smoke" residue on the surface of the smoker. This residue cannot be removed and will not affect the function of the smoker. To a lesser degree a "smoke" residue will accumulate on the inside of your gas grill. This residue need not be removed and will not adversely affect the function of your gas grill.



# Operating Instructions

## Lighting the Smoker Burner

**⚠WARNING:** Check hose before each use of grill for nicks, cracking, abrasions or cuts. If the hose is found to be damaged in any way, do not use the grill. Replace using only Weber® authorized replacement hose. Contact the Customer Service Representative in your region using the contact information sheet provided with your manual.

- 1) Open the grill lid.

**⚠DANGER:**

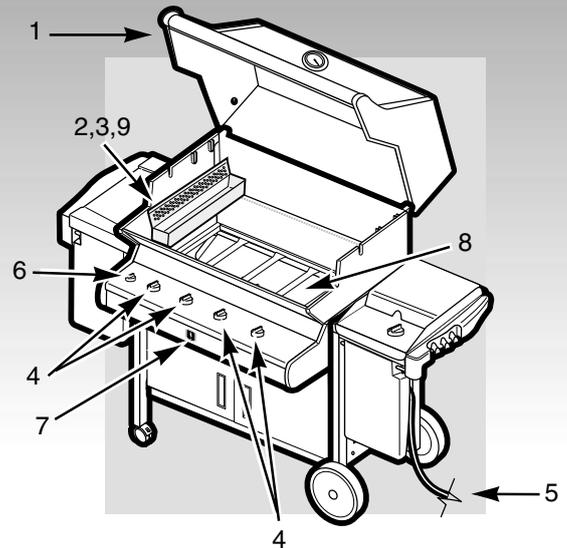
Failure to open the lid while igniting the grill, or not waiting 5 minutes to allow the gas to clear if the grill does not light, may result in an explosive flare-up which can cause serious bodily injury or death.

- 2) Open smoker box lid
  - 3) Fill smoker with water soaked wood chunks or chips.
  - 4) Make sure all burner control knobs are turned OFF. (Push control knob down and turn clockwise to ensure that it is in the OFF position.)
  - 5) Turn on the gas supply.
- ⚠WARNING: Do not lean over the open grill while lighting.**
- 6) Push smoker burner control knob down and turn to START/HI.
  - 7) Push and hold down the Igniter button until burner ignites. You will hear the igniter sparking.
  - 8) Check that the burner is lit by looking through the cooking grate.

**⚠DANGER:**

If the smoker burner does not light, turn the burner control knob to OFF and wait 5 minutes to let the gas clear before you try again or try to light with a match.

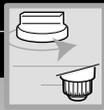
- 9) Close smoker cover after wood starts to smolder and turn control knob to LOW.



\*The grill illustrated may have slight differences than the model purchased.

## To Extinguish

Push down and turn each burner control knob clockwise to OFF position. Turn gas supply OFF at the source.



# Operating Instructions

## Manually Lighting the Smoker Burner

**⚠WARNING:** Check hose before each use of grill for nicks, cracking, abrasions or cuts. If the hose is found to be damaged in any way, do not use the grill. Replace using only Weber® authorized replacement hose.

Contact the Customer Service Representative in your region using the contact information sheet provided with your manual.

1) Open the lid.

### **⚠DANGER**

Failure to open the lid while igniting the grill, or not waiting 5 minutes to allow the gas to clear if the grill does not light, may result in an explosive flare-up which can cause serious bodily injury or death.

- 2) Open smoker box lid
- 3) Fill smoker with water soaked wood chunks or chips.
- 4) Make sure all burner control knobs are turned OFF. (Push control knob down and turn clockwise to ensure that it is in the OFF position.)
- 5) Turn on the gas supply.
- 6) Put a match in the match holder and strike the match.
- 7) Insert match holder and lit match down through cooking grates and Flavorizer® bars to ignite smoker burner.

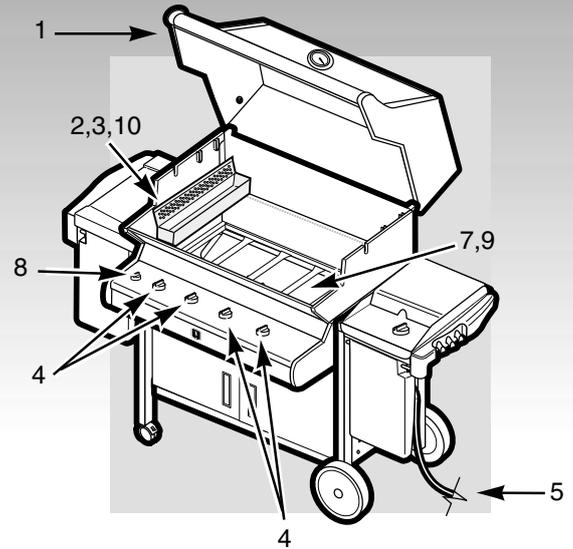
**⚠WARNING:** Do not lean over the open grill while lighting.

- 8) Push smoker burner control knob down and turn to START / HI.
- 9) Check that the burner is lit by looking down through the cooking grate.

### **⚠DANGER:**

If the smoker burner does not light, turn the burner control knob to OFF and wait 5 minutes to let the gas clear before you try again or try to light with a match.

- 10) Close smoker cover after wood starts to smolder and turn control knob to low.



\*The grill illustrated may have slight differences than the model purchased.

## To Extinguish

Push down and turn each burner control knob clockwise to OFF position. Turn gas supply OFF at the source.



# Main & Smoker Burner Troubleshooting

Problem	Check	Cure
<b>Burners burn with a yellow or orange flame, in conjunction with the smell of gas.</b>	Inspect Weber® Insect/Spider Screens for possible obstructions. (Blockage of holes.)	Clean Weber® Insect/Spider Screens. (See Section “Annual Maintenance”)
<b>Burner does not light, or flame is low in HIGH position.</b>	Is fuel hose bent or kinked?	Straighten fuel hose.
	Does the Left burner light with a match?	If you can light the Left burner with a match, then check the Crossover® ignition system.
<b>Experiencing flare-ups:</b>  <b>⚠ CAUTION: Do not line the bottom tray with aluminum foil.</b>	Are you preheating barbecue in the prescribed manner?	All burners on high for 10 to 15 minutes for preheating.
	Are the cooking grates and Flavorizer® bars heavily coated with burned-on grease?	Clean thoroughly. (See Section “Cleaning”)
	Is the bottom tray “dirty” and not allowing grease to flow into catch pan?	Clean bottom tray
<b>Burner flame pattern is erratic. Flame is low when burner is on HIGH. Flames do not run the whole length of the burner tube.</b>	Are burners clean?	Clean burners. (See Section “Maintenance”.)
<b>Inside of lid appears to be “peeling.” (Resembles paint peeling.)</b>	The lid is porcelain-on-steel, not paint. It cannot “peel”. What you are seeking is baked on grease that has turned to carbon and is flaking off. <b>THIS IS NOT A DEFECT.</b>	Clean thoroughly. (See Section “Cleaning”.)
<b>If problems cannot be corrected by using these methods, please contact the Customer Service Representative in your region using the contact information sheet provided with your manual.</b>		



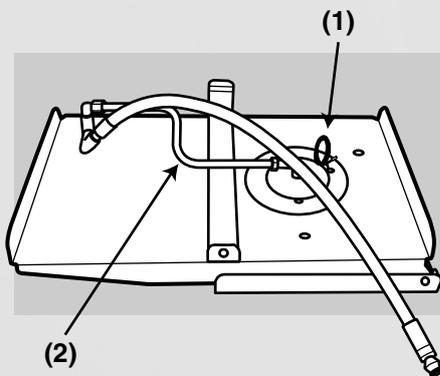
# Side Burner Troubleshooting

Problem	Check	Cure
Side Burner does not light.	Is gas supply off?	Turn supply on.
Flame is low in HIGH position.	Is the fuel hose bent or kinked?	Straighten hose.
Push button ignition does not work.	Does burner light with a match?	If match lights burner, check igniter (see below).

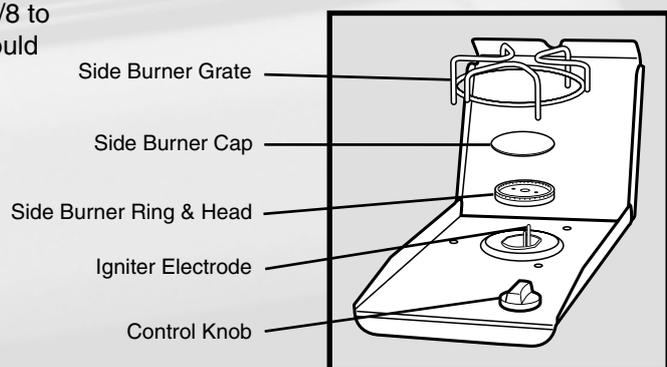
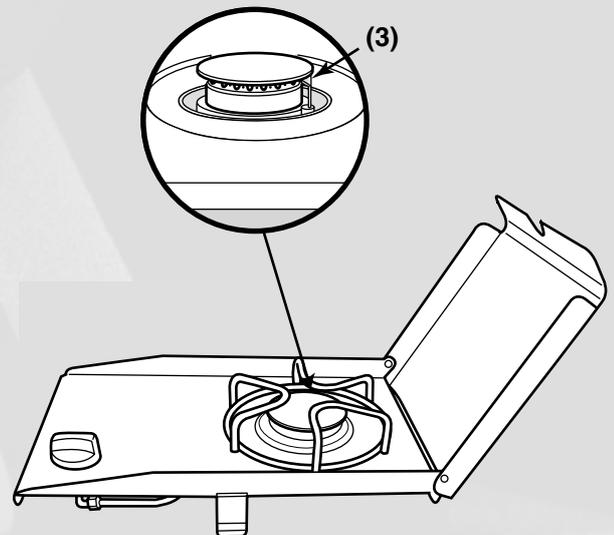
## Side Burner maintenance

**⚠ WARNING:** All gas controls and supply valves should be in the OFF position.

- 1) Igniter Wire
- 2) Venturi/Burner
- 3) 1/8 to 3/16 inch gap between electrode and burner



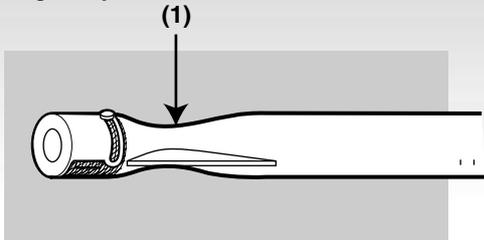
Make sure wire is connected between igniter and electrode. Check that igniter lock nut is tight.  
*Note: If the igniter works loose, carefully tighten the igniter lock nut with an adjustable wrench or pliers.*  
 Adjust igniter electrode to burner. Gap should be 1/8 to 3/16 inch from tip of electrode to burner. Spark should be a white/blue color, not yellow.



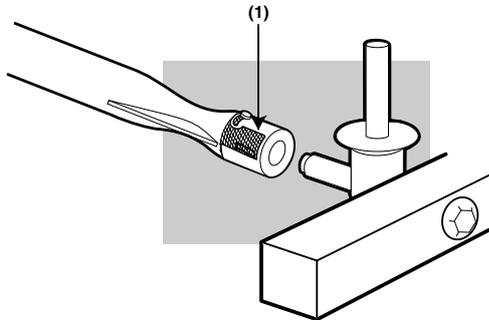
# Maintenance

## Weber® Spider /Insect screens

Your Weber® gas barbecue, as well as any outdoor gas appliance, is a target for spiders and other insects. They can nest in the venturi section(1) of the burner tubes. This blocks the normal gas flow, and can cause the gas to flow back out of the air shutter. This could result in a fire in and around the air shutters, under the control panel, causing serious damage to your barbecue.



The burner tube air shutter is fitted with a stainless steel screen(1) to prevent spiders and other insects access to the burner tubes through the air shutter openings.



We recommend that you inspect the Spider/Insect screens at least once a year. (See Section “Annual Maintenance”.) Also inspect and clean the the Spider/Insect screens if any of the following symptoms should ever occur:

- 1) The smell of gas in conjunction with the burner flames appearing yellow and lazy.
- 2) Barbecue does not reach temperature.
- 3) Barbecue heats unevenly.
- 4) One or more of the burners do not ignite.

### ⚠ DANGER

Failure to correct the above mentioned symptoms may result in a fire, which can cause serious bodily injury or death, and cause damage to property.

## Annual Maintenance

### Inspection and cleaning of the Spider/Insect screens

To inspect the spider/insect screens, remove the control panel. If there is dust or dirt on the screens, remove the burners for cleaning the screens.

Brush the spider/inspect screens, lightly, with a soft bristle brush (i.e. an old toothbrush).

⚠ **CAUTION:** Do not clean the spider/insect screens with hard or sharp tools. Do not dislodge the spider/insect screens or enlarge the screen openings.

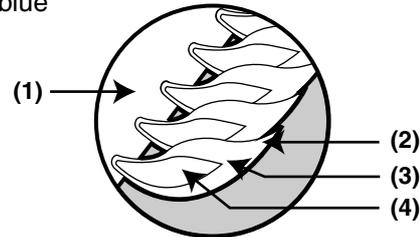
Lightly tap the burner to get debris and dirt out of the burner tube. Once the spider/insect screens and burners are clean replace the burners.

If the spider/insect screen becomes damaged or cannot be cleaned, call Weber-Stephen Products Customer Service for replacement parts.

## Main Burner Flame Pattern

The Weber® gas barbecue burners have been factory set for the correct air and gas mixture. The correct flame pattern is shown.

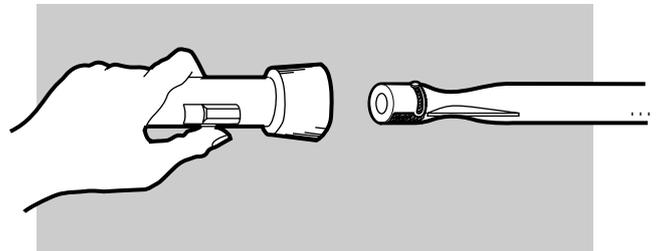
- 1) Burner tube
- 2) Tips occasionally flicker yellow
- 3) Light blue
- 4) Dark blue



If the flames do not appear to be uniform throughout the burner tube, follow the burner cleaning procedures.

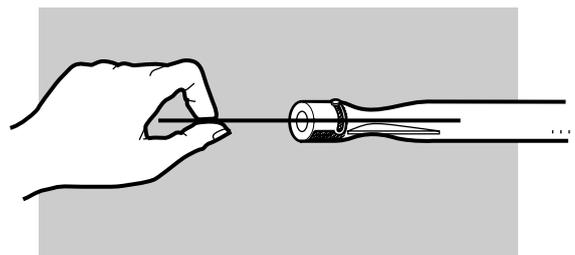
## Main Burner Cleaning Procedure

**Turn off the gas supply.** Remove the manifold. Look inside each burner with a flashlight.



Clean the inside of the burners with a wire (a straightened-out coat hanger will work). Check and clean the air shutter opening at the ends of the burners. Check and clean the valve orifices at the base of the valves. Use a Steel bristle brush to clean outside of burners. This is to make sure all the burner ports are fully open.

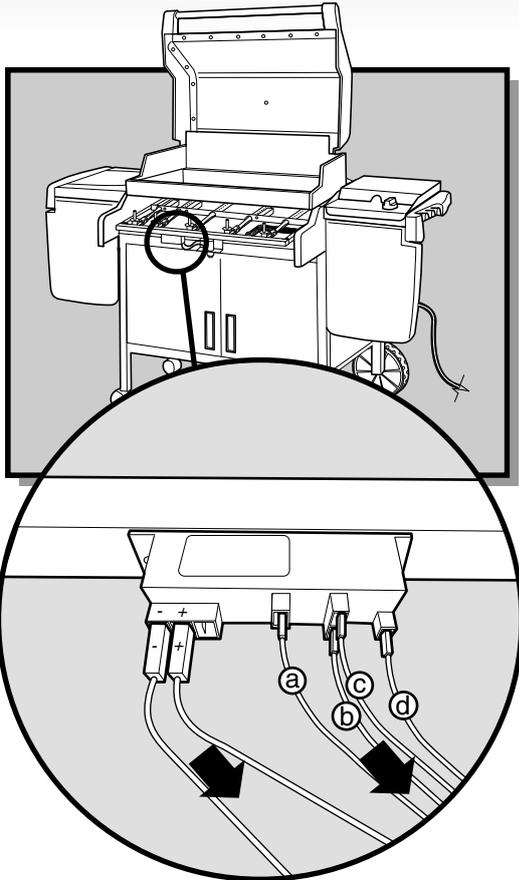
⚠ **CAUTION:** Do not enlarge the burner ports when cleaning.



# Maintenance

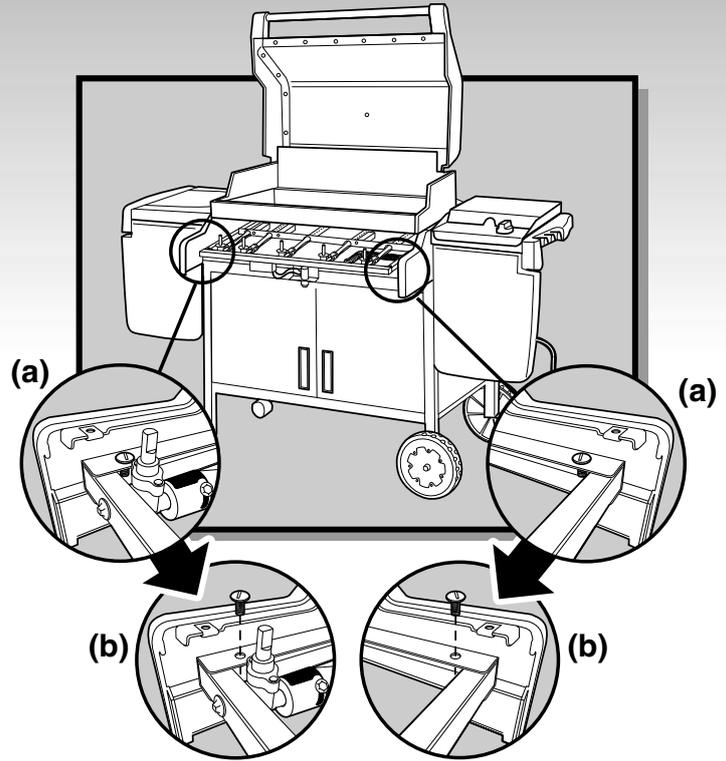
## Replacing Main Burners

1. Your Summit® gas grill must be OFF and cool.
2. Turn gas OFF at source.
3. Disconnect regulator.
4. Remove cooking grates.
5. Remove Smoker box.
6. Remove Flavorizer® bars.
7. To remove control panel refer to “Remove the control panel” under “Check for Gas Leaks.”
8. Disconnect all ignition wires from the Ignition Module.

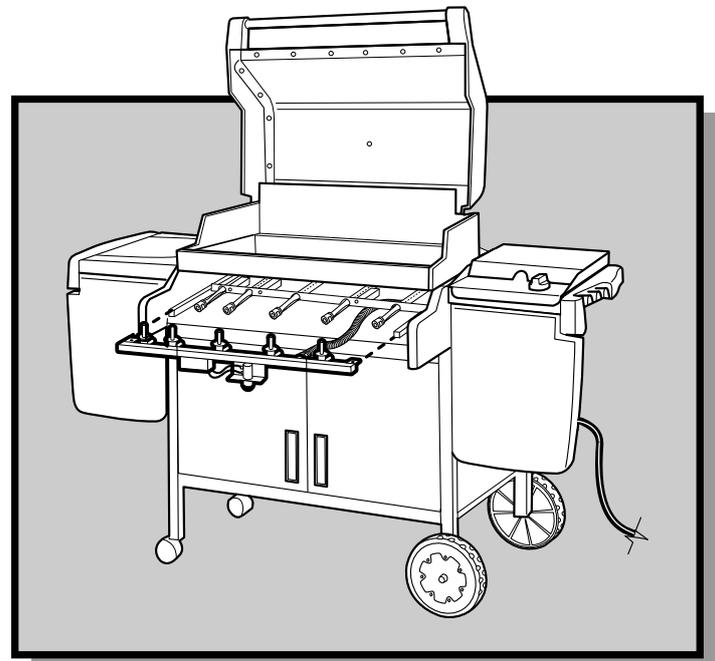


a = Blue Tab with Black Wire  
b = Yellow Tab with Black Wire  
c = White Tab with Black Wire  
d = Solid White Wire

9. Remove screws from the manifold assembly:  
(a) Locate the screws on both sides of the manifold frame. (b) Remove the screws from manifold frame.

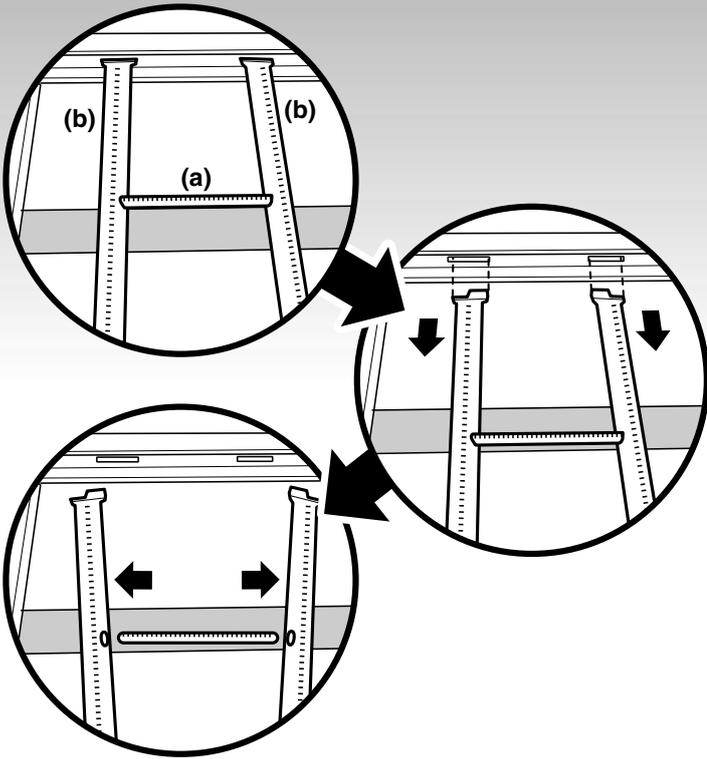


10. Pull manifold assembly out from the manifold frame.

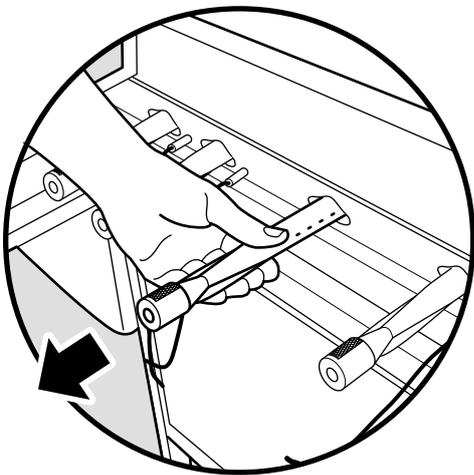


# Maintenance

11. Lift and twist the burner assembly slightly, to separate the Crossover® tube (a) from the burners (b).



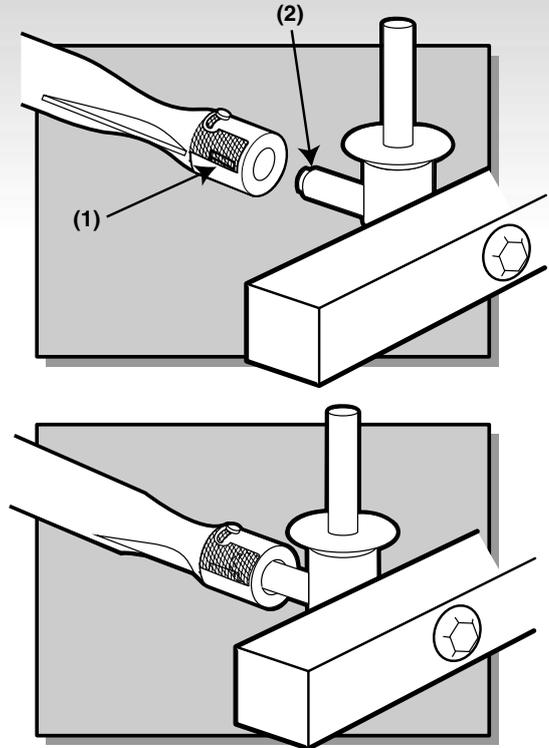
12. Remove the Crossover® tube.
13. Pull the selected burner(s) tube(s) from manifold frame and replace with a new burner tube.



14. To reinstall the manifold assembly, reverse steps 7 through 13.

**⚠CAUTION:** The burner openings (1) must be positioned properly over the valve orifices (2).

Check proper assembly before fastening manifold in place.



**⚠WARNING:** After reinstalling the gas lines, they should be leak checked with a soap and water solution before using the grill. (See, "Check for gas leaks.")

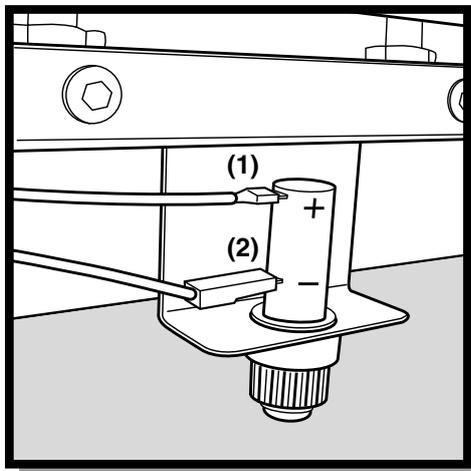
# Maintenance

## Crossover® Ignition System Operations

If the Crossover® ignition system fails to ignite the LEFT burner in a burner set, light the LEFT burner with a match. If the LEFT burner lights with a match, then check the Crossover® ignition system.

- Check that both ignition wires(1,2) are attached properly.
- Check that the Crossover® ignition button is activating.
- Replace battery with a like brand battery.
- You should hear the igniter sparking.

If the Crossover® ignition system still fails to light, contact the Customer Service Representative in your region using the contact information sheet provided with your manual.



## Replace Igniter Batteries

*Parts required: 1 AA alkaline battery per igniter.*

Unscrew igniter button from top of control panel. Remove igniter button and contact spring. Remove old battery and replace with a new AA alkaline battery. Positive end(1) of battery faces up as shown in illustration. Replace spring contact(2) and screw igniter button(3) back down.

