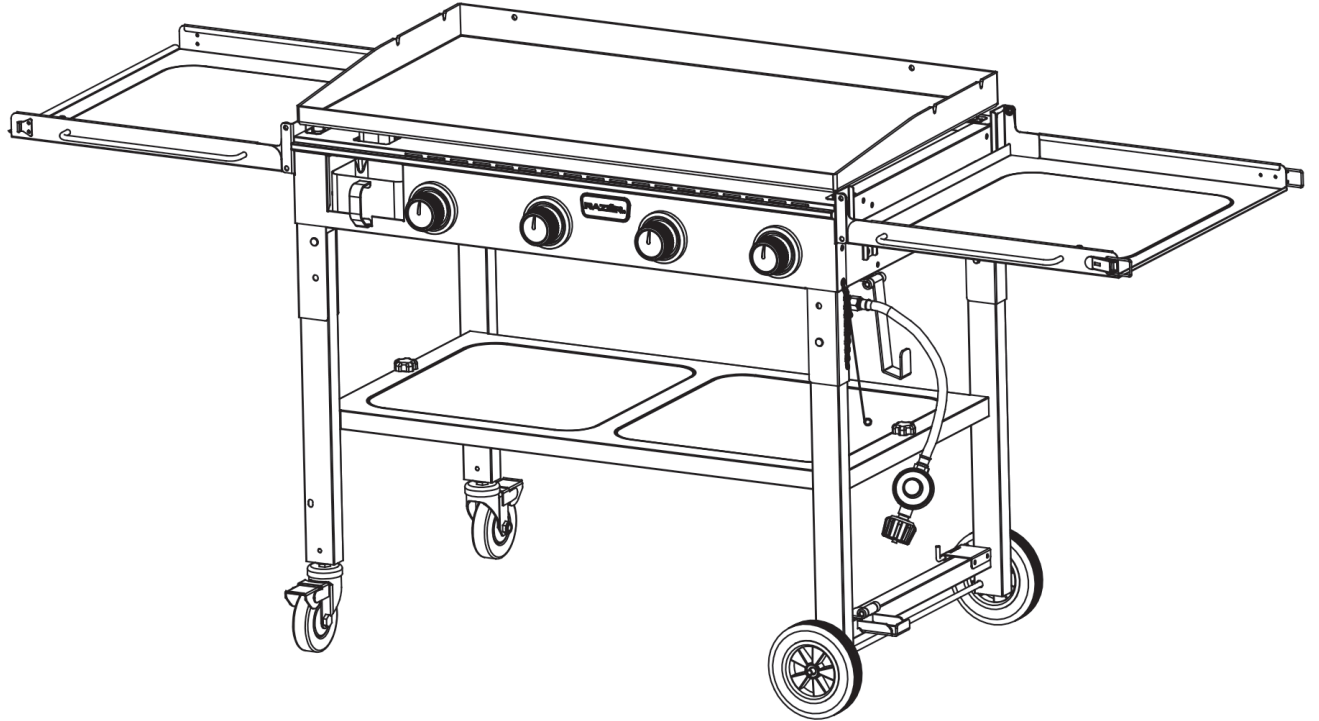


## Outdoor LP Gas Griddle

Model No. GGC1643M



PATENT NO. D857,439 S

**WARNING**  
FOR YOUR SAFETY:  
DO NOT LEAVE THIS APPLIANCE UNATTENDED WHILE IN USE.

**WARNING**  
FOR YOUR SAFETY:  
For Outdoor Use Only  
(outside any enclosure)

**WARNING**  
FOR YOUR SAFETY:

1. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage.
2. Read the installation, operation, and maintenance instructions thoroughly before installing or servicing this equipment.
3. Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.
4. This instruction manual contains important information necessary for the proper assembly and safe use of the appliance.
5. Read and follow all warnings and instructions before assembling and using the appliance.
6. Follow all warnings and instructions when using the appliance.
7. Keep this manual for future reference.

**DANGER**

If you smell gas -

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

**WARNING**  
FOR YOUR SAFETY:

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

**DANGER**  
Never operate this appliance unattended.

**IMPORTANT**  
After each use, always season your griddle per "Seasoning Griddle" section.

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The use and installation must conform with local codes or, in the absence of local codes, with either the *National Fuel Gas Code, ANSI Z223.1/NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2, or the Standard for Recreational Vehicles, ANSI A 119.2/NFPA 1192, and CSA Z240 RV Series, Recreational Vehicle Code, as applicable.*

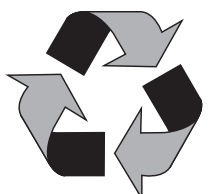
THIS INSTRUCTION BOOKLET CONTAINS IMPORTANT SAFETY INFORMATION. PLEASE READ AND KEEP FOR FUTURE REFERENCE.

If you are assembling this unit for someone else, give this manual to them to read and save for future reference.

**WARNING:** This product can expose you to chemicals, including carbon monoxide, soot, lead and lead components which are known to the State of California to cause cancer, birth defects, and other reproductive harm. Wash your hands after handling this product. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



Manufactured in China for: RevoAce Inc. Limited  
Hong Kong, China • 1.800.694.0013 • [service@revoace.com](mailto:service@revoace.com)  
8:00 am to 4:00 pm central time, Monday to Friday.  
© RevoAce Inc. Limited  
Razor® is a registered trademark of Mr. Bar-B-Q Products LLC. Used with permission.



Made from 75% Bagasse  
(environmentally friendly sugar  
cane pulp by-product)

### Important Safeguards

- ⚠ **DANGER:** Failure to follow the dangers, warnings and cautions in this manual may result in serious bodily injury or death, or in a fire or an explosion causing damage to property.
- 
- ⚠ **WARNINGS:**
  - ⚠ This griddle is for outdoor use only, and should not be used in a building, garage or any other enclosed area.
  - ⚠ Do NOT operate, light or use this appliance within ten feet (3.05 m) of walls, structures or buildings.
  - ⚠ For residential use only. This griddle is NOT for commercial use.
  - ⚠ This griddle is not intended for and should never be used as a heater. TOXIC fumes can accumulate and cause asphyxiation.
  - ⚠ This griddle is safety certified for use in the United States and/or Canada only. Do NOT modify for use in any other location. Modification will result in a safety hazard and will void your warranty.
  - ⚠ This griddle is for use with liquid propane (LP) gas only. The conversion to or attempted use of natural gas in this LP gas griddle is dangerous, may cause bodily harm and will void your warranty.
  - ⚠ LP gas characteristics:
    - a. LP gas is flammable and hazardous if handled improperly. Become aware of the characteristics before using any LP gas product.
    - b. LP gas is explosive under pressure, heavier than air, and settles/pools in low areas.
    - c. LP gas in its natural state has no odor. For your safety, an odorant is added that smells like rotten cabbage.
    - d. Contact with LP gas can cause freeze burns to skin.
  - ⚠ Apartment dwellers: Check with management to learn the requirements and fire codes for using a LP gas griddle in your apartment complex. If allowed, use outside on the ground floor with a ten foot (3.05 m) clearance from any structure. Do NOT use on or under balconies.
  - ⚠ LP gas cylinder needed to operate. Only cylinders marked "propane" may be used.
  - ⚠ The LP gas cylinder must be constructed and marked in accordance with the *Specifications for LP-gas Cylinders* of the U.S. Department of Transportation (D.O.T.) or the National Standard of Canada, *CAN/CSA-B339, Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods; and Commission*.
  - ⚠ LP gas cylinder must be arranged for vapor withdrawal.
  - ⚠ The LP gas cylinder must have a listed overfilling prevention device (OPD).
  - ⚠ Only use LP gas cylinders equipped with a cylinder connection device compatible with the connection for outdoor cooking appliances.
  - ⚠ The LP gas cylinder must have a cylinder collar to protect the cylinder valve.
  - ⚠ Never use an LP gas cylinder with a damaged body, valve, collar or footing.
  - ⚠ Dented or rusted LP gas cylinders may be hazardous and should be checked by your LP gas supplier prior to use.
  - ⚠ The LP gas cylinder should not be dropped or handled roughly.
  - ⚠ LP gas cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage or any other enclosed area. Your cylinder must never be stored where temperatures can reach over 125°F.
  - ⚠ Do NOT insert any tool or foreign object into the valve outlet or safety relief valve. You may damage the valve and cause a leak. Leaking propane may result in an explosion, fire, severe personal injury or death.
  - ⚠ Do NOT block holes in sides or back of griddle.
  - ⚠ Never keep an LP gas cylinder in a hot car or trunk. Heat will cause the gas pressure to increase, which may open the relief valve and allow gas to escape.
  - ⚠ Place dust cap on cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cap on the cylinder valve outlet that is provided with the cylinder valve. Other types of caps or plugs may result in leakage of propane.
  - ⚠ If griddle is not in use, the gas must be turned off at the supply cylinder and disconnected.
  - ⚠ Do NOT store a spare LP gas cylinder under or near this appliance.
  - ⚠ Never fill the cylinder beyond 80 percent full.
  - ⚠ A fire causing serious injury or damage to property may occur if the above is not followed exactly.
  - ⚠ Never attempt to attach this griddle to the self-contained LP gas system of a camper trailer, motor home or house.
  - ⚠ Never use charcoal, lighter fluid, lava rocks, gasoline, kerosene or alcohol with this product.
  - ⚠ Your griddle has been checked at all factory connections for leaks. Re-check all connections as described in the "Operating Instructions" section, as shipping can loosen connections.
  - ⚠ Check for leaks even if your unit was assembled for you by someone else.
  - ⚠ Do NOT operate if a gas leak is present. Gas leaks may cause a fire or explosion.
  - ⚠ You must follow all instructions in the "Checking for Leaks" section before operating. To prevent fire or explosion hazard when testing for a leak:
    - a. Always perform a leak test before lighting the griddle and each time the cylinder is connected for use.
    - b. No smoking. Do NOT use or permit sources of ignition in the area while conducting a leak test.
    - c. Conduct the leak test outdoors in a well-ventilated area.
    - d. Do NOT use matches, lighters, or a flame to check for leaks.
    - e. The use of alcohol, prescription or non-prescription drugs may impair the consumer's ability to properly assemble or safely operate the appliance.
    - f. Strong odors, colds, sinus congestion, etc. may prevent the detection of propane. Use caution and common sense when testing for leaks.
    - g. Do NOT use griddle until any and all leaks are corrected. If you are unable to stop a leak, disconnect the LP gas supply. Call a gas appliance serviceman or your local LP gas supplier.
  - ⚠ This griddle is designed to operate at an inlet pressure of: 11 inches water column.
  - ⚠ Do NOT store or use gasoline or other flammable liquids or vapors within 25 feet (7.62 m) of this appliance.
  - ⚠ Do NOT use in an explosive atmosphere. Keep griddle area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
  - ⚠ Minimum clearance from sides and back of unit to combustible construction is 36 inches (91.4 cm). Do NOT use this appliance under any type of overhang or roof.
  - ⚠ It is essential to keep the griddle's valve compartment, burners and circulating air passages clean.
  - ⚠ Inspect griddle before each use.
  - ⚠ Do NOT alter griddle in any manner. Any alteration will void your warranty.
  - ⚠ Do NOT use the griddle unless it is COMPLETELY assembled and all parts are securely fastened and tightened.
  - ⚠ Do NOT build this model of griddle in any built-in or slide-in construction. Ignoring this warning could cause a fire or an explosion that can damage property and cause serious bodily injury or death.
  - ⚠ This griddle should be thoroughly cleaned and inspected on a regular basis.
  - ⚠ Clean and inspect the hose before each use of the appliance. If there is evidence of abrasion, wear, cuts or leaks, the hose must be replaced prior to operation.
  - ⚠ Use only the regulator and hose assembly provided. Use only the replacement regulator and hose assembly specified by RevoAce Inc. Limited
  - ⚠ Use only RevoAce Inc. Limited factory-authorized parts. The use of any part that is not factory-authorized can be dangerous and will void your warranty.
  - ⚠ Do NOT operate this appliance without reading "Operating Instructions" in this manual.

- ▲ Do NOT touch metal parts of griddle until they have completely cooled to avoid burns, unless you are wearing protective gear (pot holders, gloves, BBQ mittens, etc.).
- ▲ Do NOT install or use in or on boats or recreational vehicles.
- ▲ When cooking, fire extinguishing materials should be readily accessible. In the event of an oil/grease fire, do NOT attempt to extinguish with water. Use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda.
- ▲ Do NOT use griddle in high winds.
- ▲ Never lean over the griddle when lighting.
- ▲ Do NOT leave a lit griddle unattended. Keep children and pets away from griddle at all times.
- ▲ Do NOT leave griddle unattended while preheating or burning off food residue on high. If griddle has not been cleaned, a grease fire can occur that may damage the product.
- ▲ Do NOT place empty cooking vessels on the appliance while in operation.
- ▲ Use caution when placing anything on the griddle while the appliance is in operation.
- ▲ Do NOT attempt to move griddle when in use. Allow the griddle to cool before moving or storing.
- ▲ LP gas cylinder must be properly disconnected and removed prior to moving this griddle.
- ▲ Storage of griddle indoors is permissible only if the cylinder is disconnected, removed from the griddle and properly stored outdoors.
- ▲ Do NOT attempt to disconnect the gas regulator from the cylinder or any gas fitting while the griddle is in use.
- ▲ Always place your griddle on a hard, non-combustible, level surface. An asphalt or blacktop surface may not be acceptable for this purpose.
- ▲ Move gas hoses as far away as possible from hot surfaces and dripping hot grease.
- ▲ Keep all electrical cords away from a hot griddle.
- ▲ After a period of storage and/or nonuse, check for leaks, burner obstructions and inspect for any abrasion, wear or cuts to the hose.
- ▲ Failure to open side shelves while igniting the griddle's burners, or not waiting 5 minutes to allow the gas to clear if the griddle does not light, may result in an explosive flame-up.
- ▲ Always use a meat thermometer to ensure food is cooked to a safe temperature.
- ▲ Use protective gloves when assembling this product.
- ▲ Do NOT force parts together as this can result in personal injury or damage to the product.
- ▲ Never cover entire cooking area with aluminum foil.
- ▲ Deaths, serious injury or damage to property may occur if the above is not followed exactly.

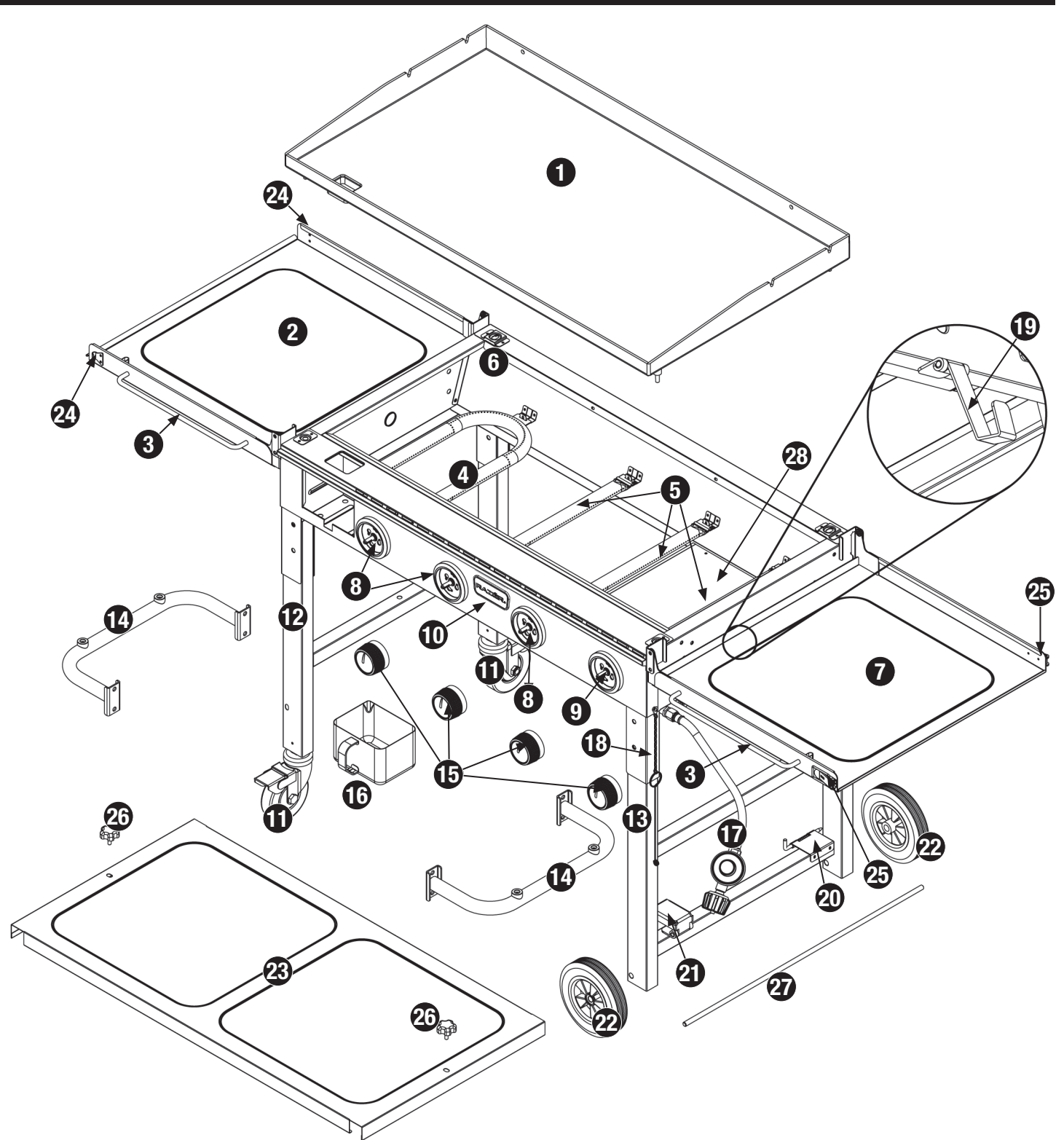
### Parts List

1	Griddle Surface*	G1643-010
2	Left Side Shelf*	G1643-020
3	Towel Bar (2)*	G1643-030
4	U Burner*	G1643-040
5	Burner (3)*	G1643-050
6	Griddle Body Assembly*	G1643-060
7	Right Side Shelf*	G1643-070
8	Main Control Knob Bezel (3)*	G1143-090
9	Sear Control Knob Bezel*	G1143-091
10	Brand Plate*	B0109-BR0
11	Locking Wheel (2)*	G1643-080
12	Left Cart Frame*	G1643-090
13	Right Cart Frame*	G1643-100
14	Side Handle (2)	G1643-110
15	Control Knob (4)	G0850-G23
16	Grease Cup	G1643-120
17	Regulator/Hose Assembly*	B0308-A18
18	Lighting Hook*	B0223-D04
19	Upper LP Gas Tank Support* †	G1643-130
20	Leg Locking Assembly*	G1643-140
21	Lower LP Gas Tank Support* †	G1643-150
22	Wheel (2)	G1643-160
23	Bottom Shelf	G1643-170
24	Side Shelf Lock A (2)* †	B0107-E05
25	Side Shelf Lock B (2)* †	B0107-I09
26	Bottom Shelf Screw (2)	G1643-180
27	Axle	G1643-190
28	LP Gas Tank Heat Shield*	G1643-200

\* Pre-assembled

† Not replaceable

### Expanded View

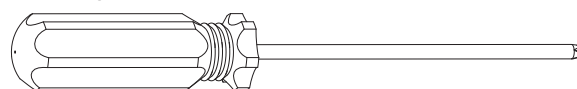


### Hardware

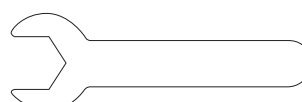
A	Screw	M6x16 Nickel Plated Phillips Truss Head	8 pcs
B	Nut	M10 Nickel Plated	2 pcs

### Tools Required for Assembly (Included)

#2 Phillips Head Screwdriver 1 pc



M10 Wrench 2 pcs



## Assembly Instructions

# 1

### DO NOT RETURN TO PLACE OF PURCHASE.

For assistance, call 1.800.694.0013 toll-free. Please have your owner's manual and model number available for reference.

Note: The model number is printed on a label which can be found on the bottom shelf.

#### Assembly Tips:

1. Select an area where you will assemble this product. To protect components, choose a smooth surface that's free of cracks or openings.
2. Spread out all parts.
3. Tighten all hardware connections by hand first. Then, before completing each step, go back and fully tighten all hardware. Be careful not to over-tighten. That could damage surfaces or strip threads.
4. For best results, complete each step in the order presented.

To complete assembly you will need:

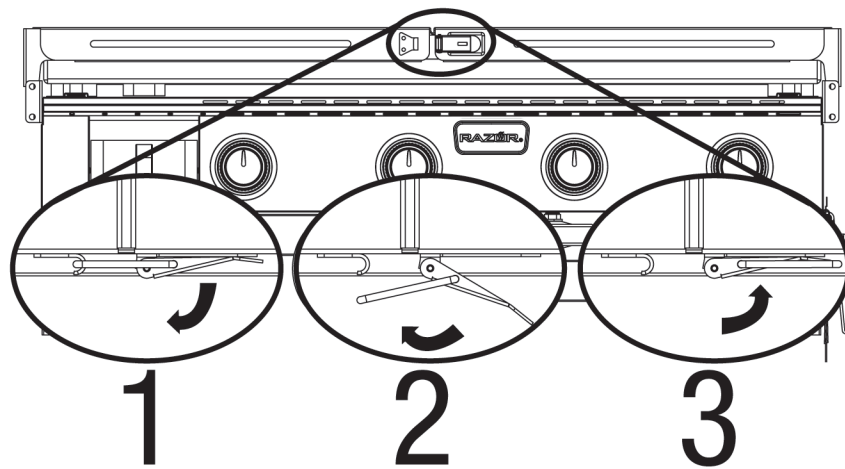
- (1) Leak detection solution (instructions on how to make the solution are included in the "Operating Instructions" section of this manual).
- (1) Precision-filled LP gas grill tank with Acme Type 1 external threaded valve connection (standard grill size) (not included).

Typical assembly is approximately one hour.

**▲ CAUTION: Two (2) people are required for assembly.**

# 2

### Unlock Side Shelves



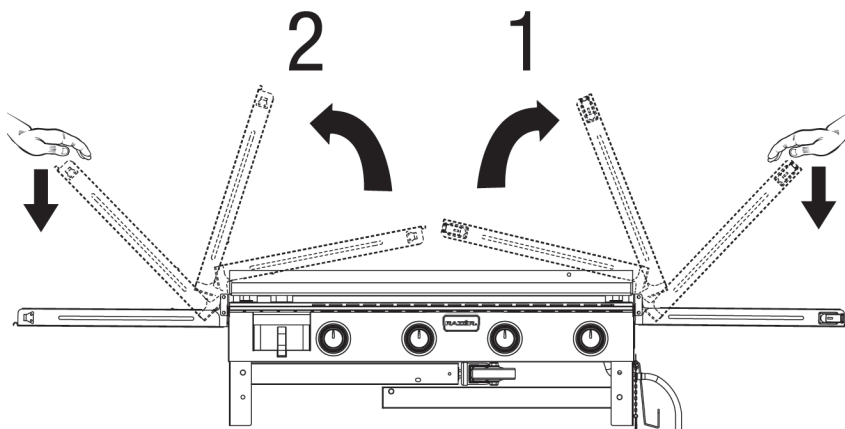
### Open Side Shelves

Open right side shelf first, then left side. Make sure side shelves are pushed all the way down.

Note: support springs may cause the side shelves NOT to rest completely flush with the side handles.

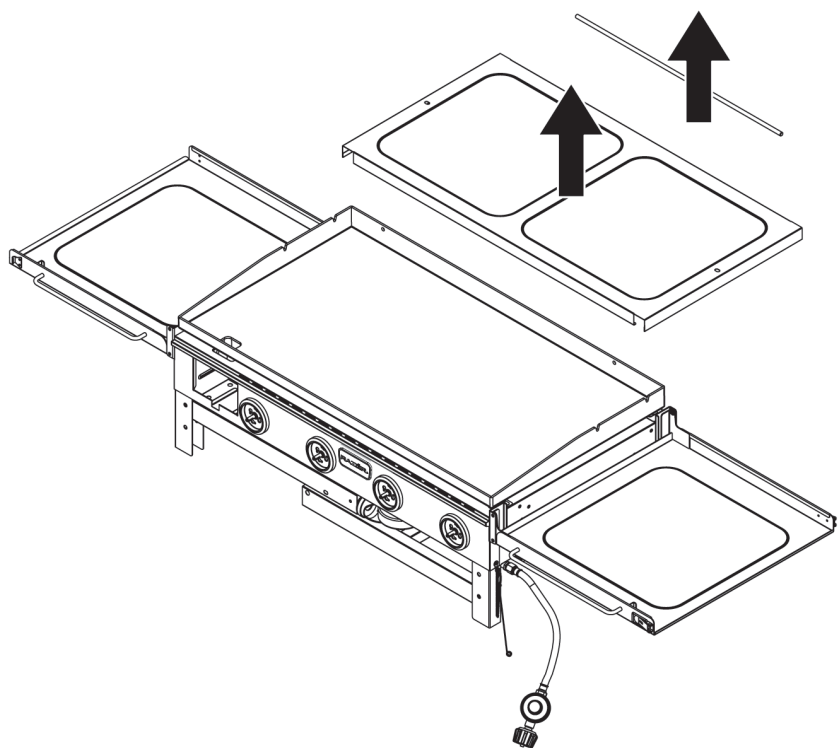
**▲ CAUTION: Hold side shelf securely while opening. Do NOT release until fully extended.**

**▲ CAUTION: Maximum side shelf weight is 33 lbs (15 kg).**



# 3

### Remove Bottom Shelf and Axle

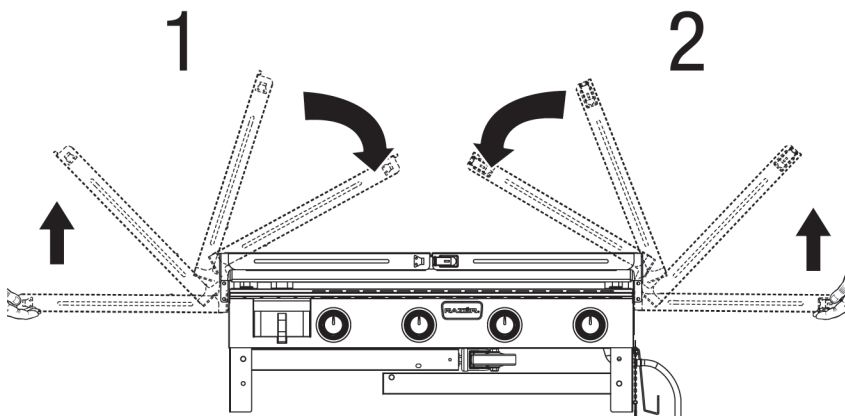


# 4

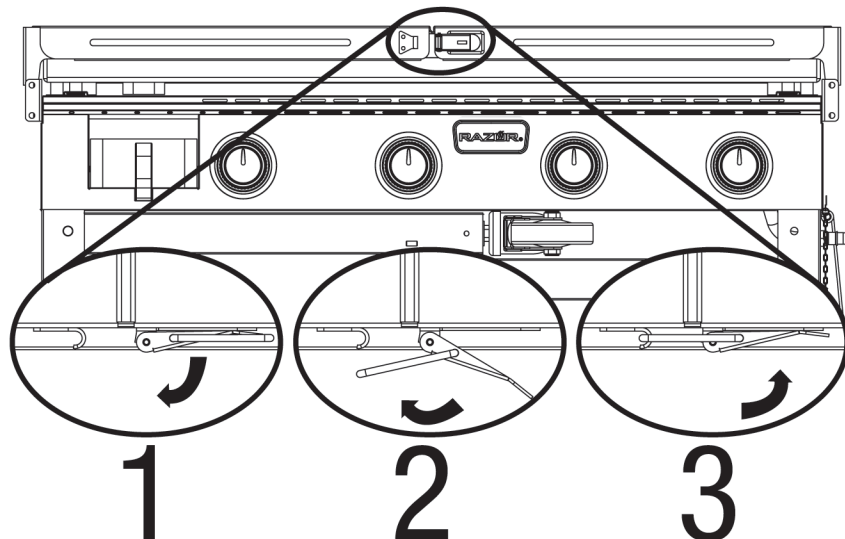
### Close Side Shelves

Close left side shelf first, then right side shelf.

**▲ CAUTION: Hold side shelf securely while closing. Do NOT release until fully closed.**



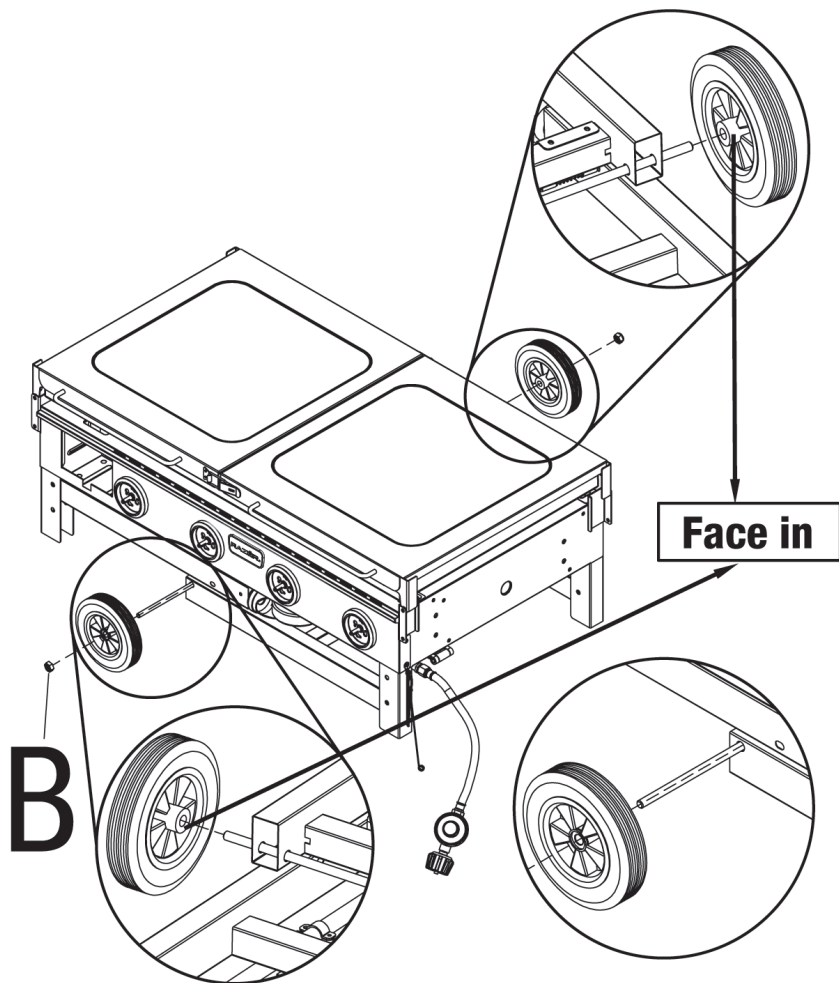
### Lock Side Shelves

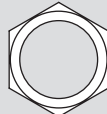


## Assembly Instructions (continued)

5

### Attach Wheels



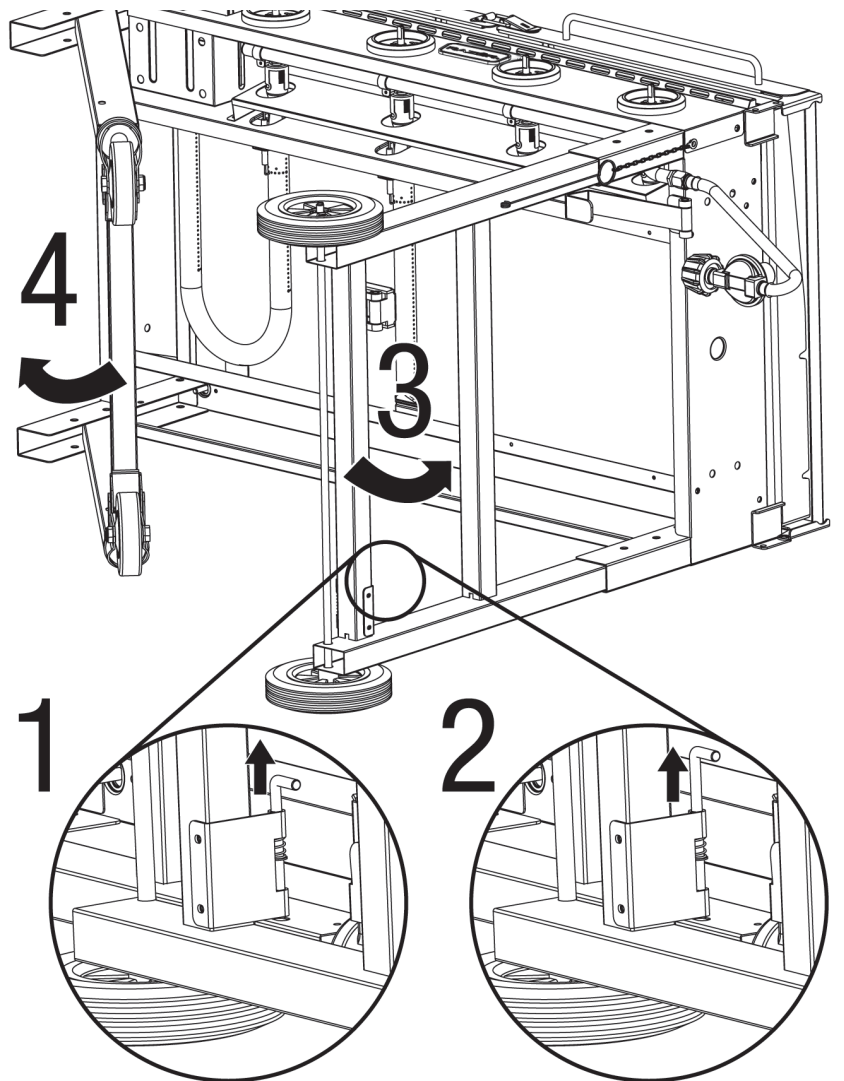
B  x 2

6

### Open Legs

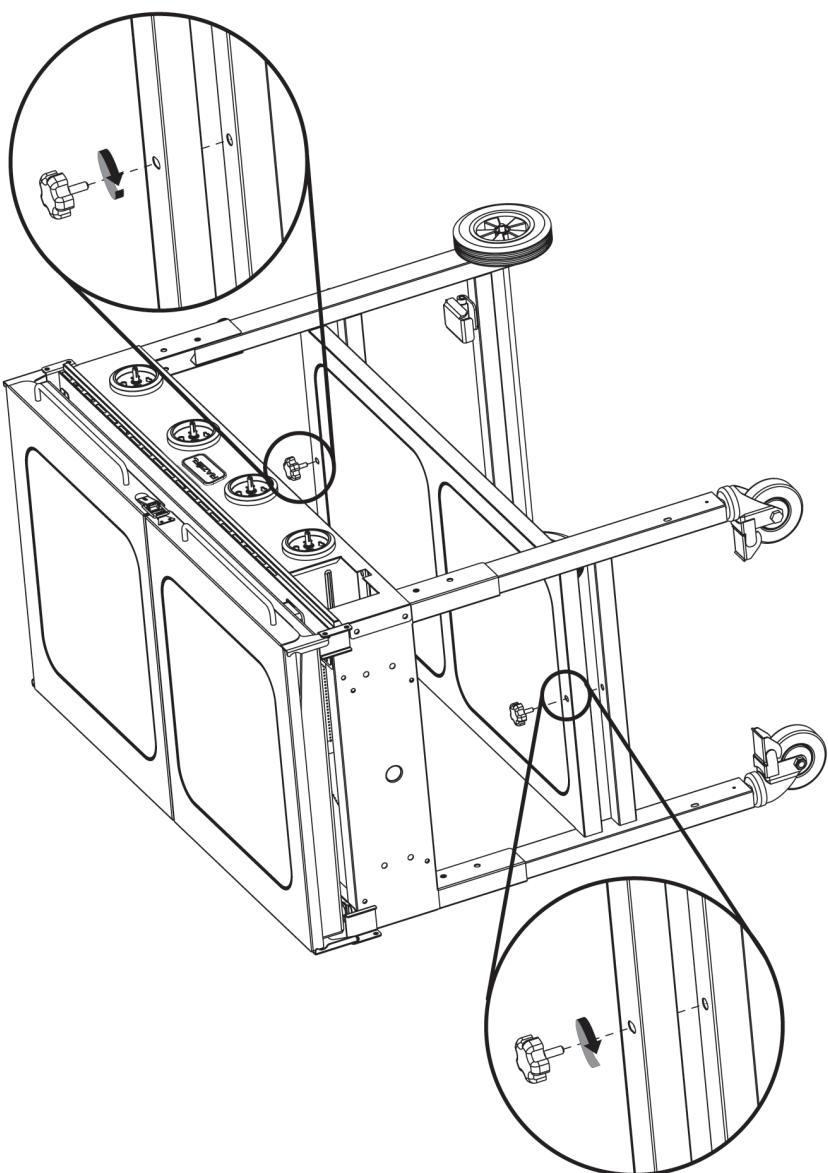
**▲ CAUTION:** Two (2) people will be required to lay griddle on back.

Note: Open right leg first.



7

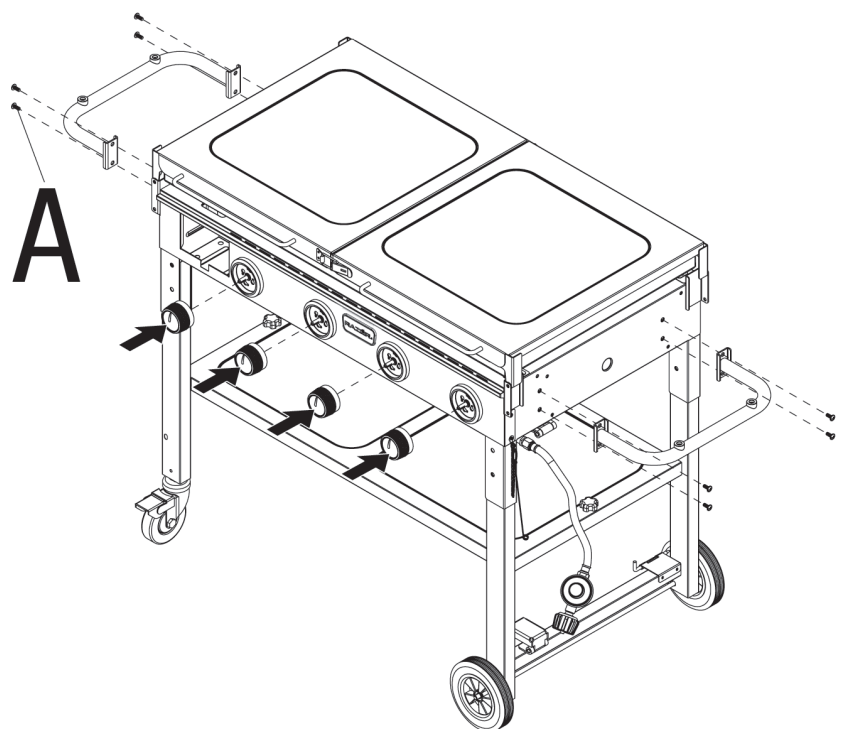
### Attach Bottom Shelf

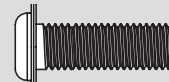


8

### Attach Side Handles and Insert Control Knobs

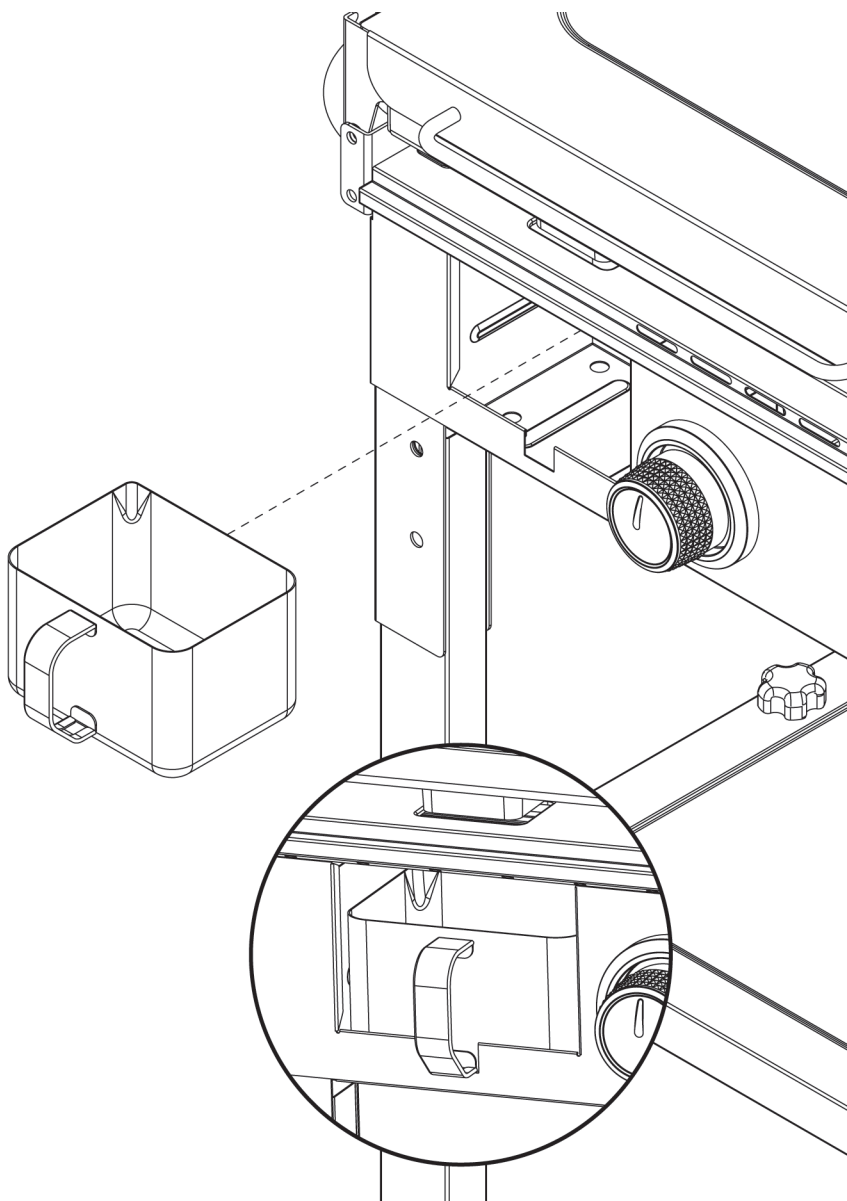
**▲ CAUTION:** Two (2) people will be required to stand griddle upright.



A  x 8

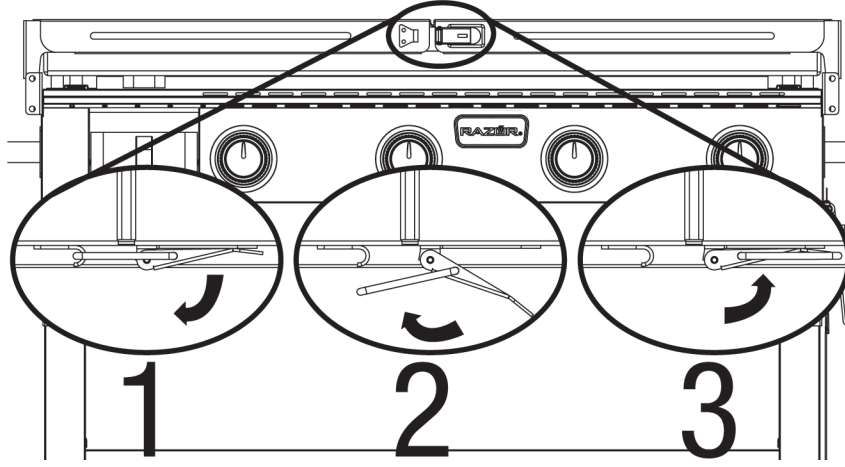
9

### Insert Grease Cup



10

### Unlock Side Shelves



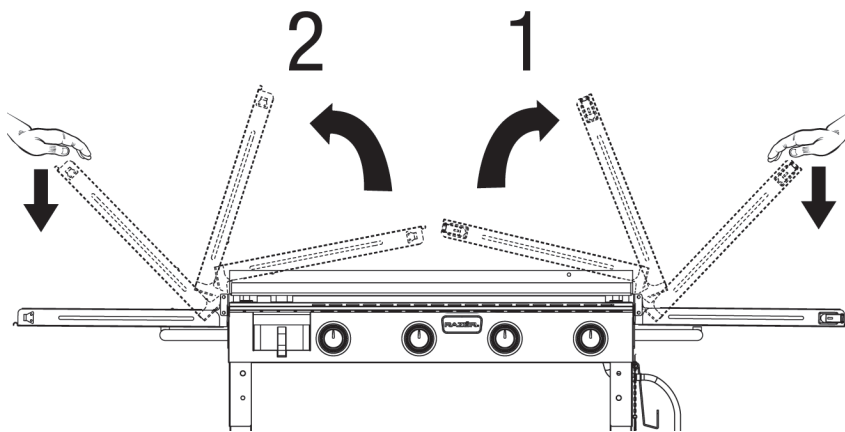
### Open Side Shelves

Open right side shelf first, then left side. Make sure side shelves are pushed all the way down.

Note: support springs may cause the side shelves NOT to rest completely flush with the side handles.

▲ **CAUTION:** Hold side shelf securely while opening. Do NOT release until fully extended.

▲ **CAUTION:** Maximum side shelf weight is 33 lbs (15 kg).

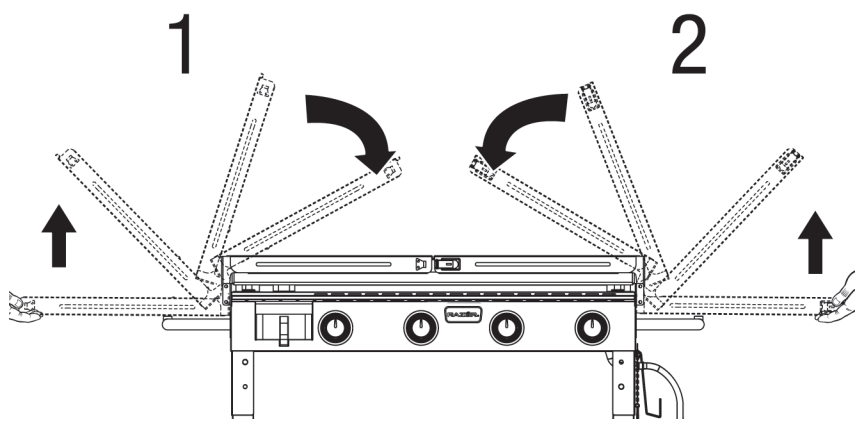


11

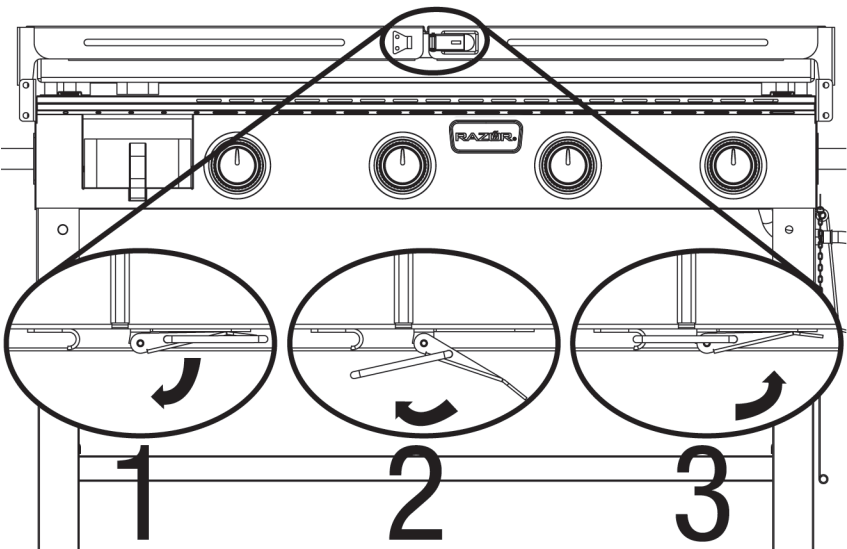
### Close Side Shelves

Close left side shelf first, then right side shelf.

▲ **CAUTION:** Hold side shelf securely while closing. Do NOT release until fully closed.



### Lock Side Shelves



## IMPORTANT

Before first use and after each use, always season your griddle per "Seasoning Griddle" section.

## Transporting & Storage Instructions

# 1

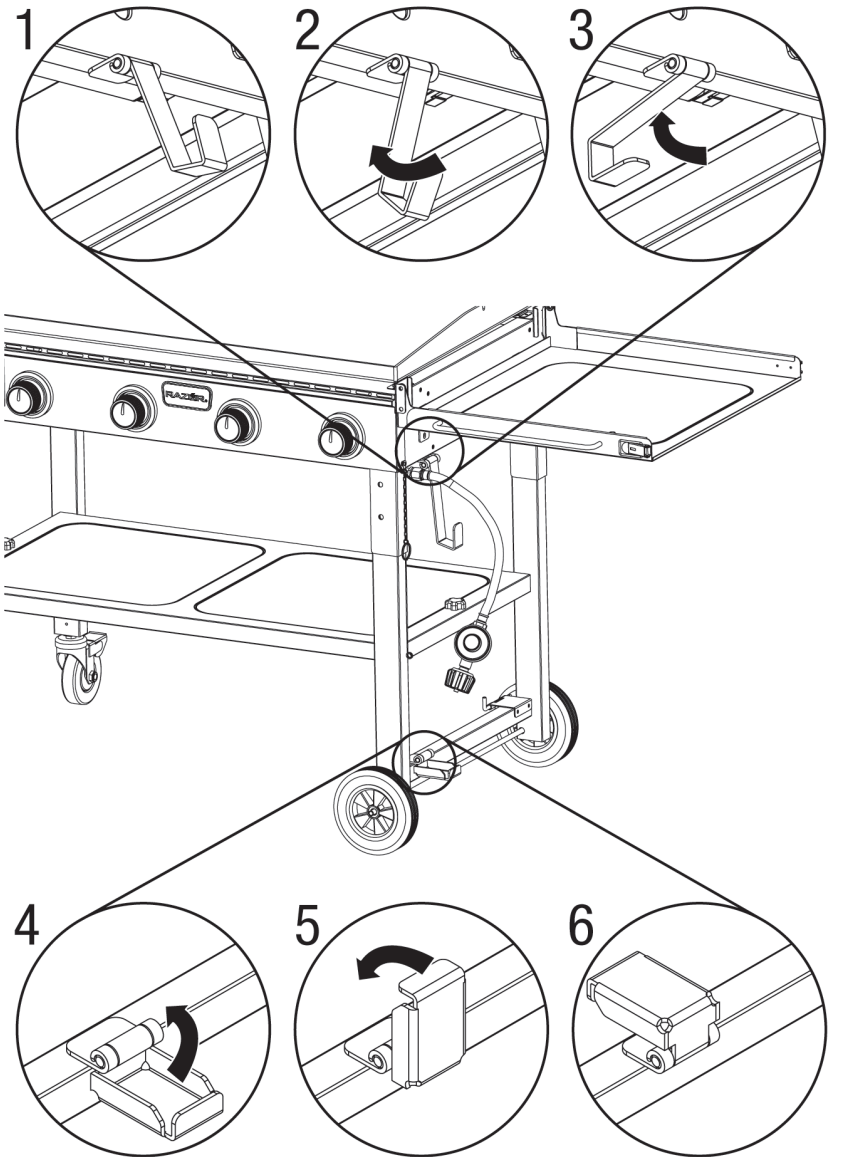
- ▲ WARNING:** Before transporting or storing this griddle:
- Always season griddle per “Seasoning Griddle” section.
  - Always clean griddle per “Cleaning Instructions” section.
  - Always wait until griddle is cool.
  - Always turn griddle off per “Turning Off” section.
  - Always disconnect tank per “Disconnecting LP Gas Tank” section.
  - Always empty and properly dispose of all items in grease cup.

**▲ WARNING:** When transporting or storing this unit, always follow the instructions found in this section.

**▲ CAUTION:** Two (2) people will be required to prepare for transportation and/or storage.

# 2

### Secure LP Gas Tank Supports

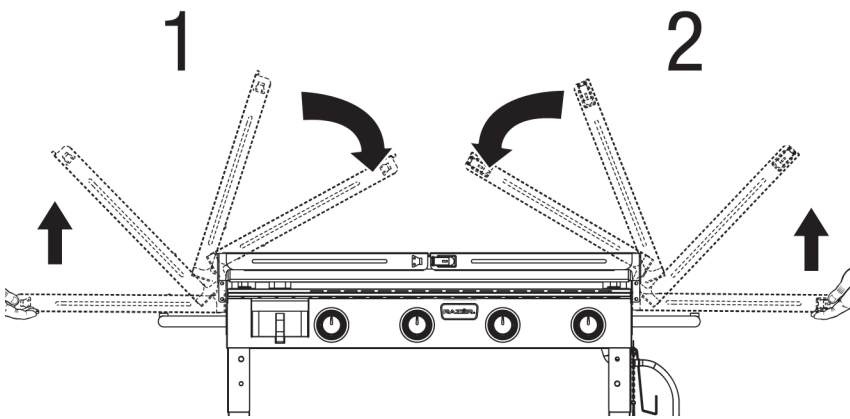


# 3

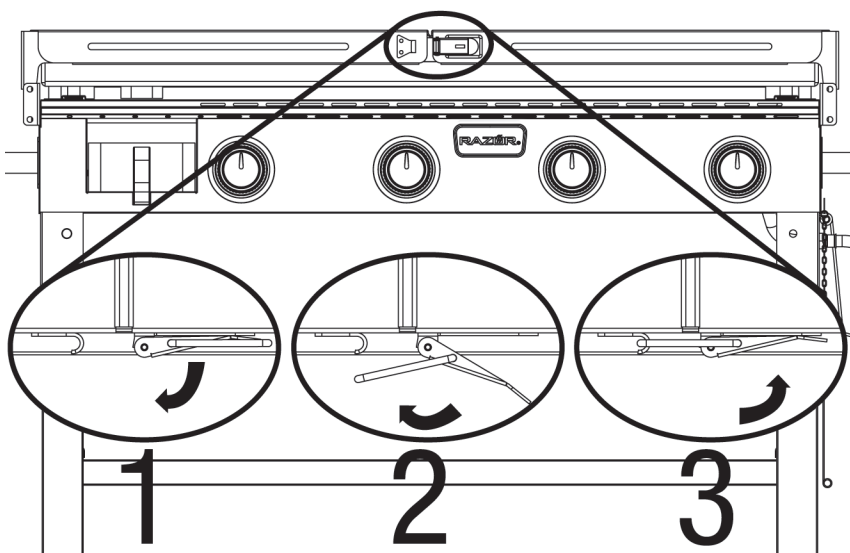
### Close Side Shelves

Close left side shelf first, then right side shelf.

**▲ CAUTION:** Hold side shelf securely while closing. Do NOT release until fully closed.



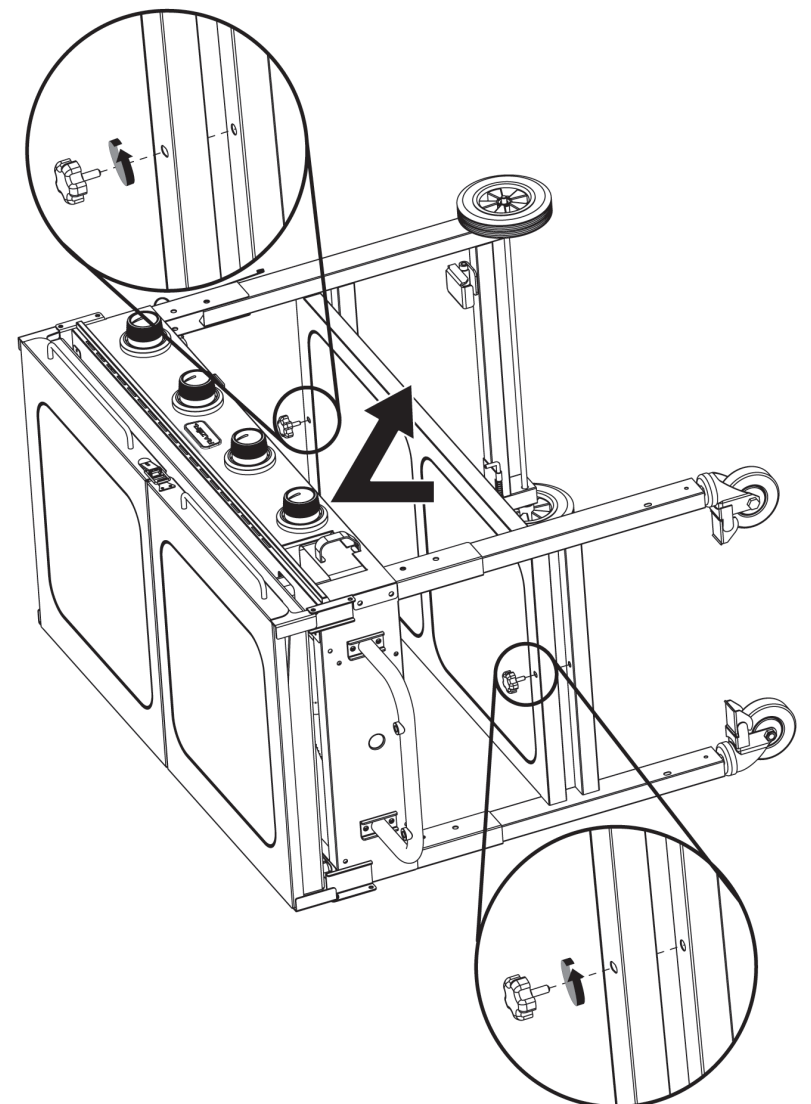
### Lock Side Shelves



# 4

### Remove Bottom Shelf

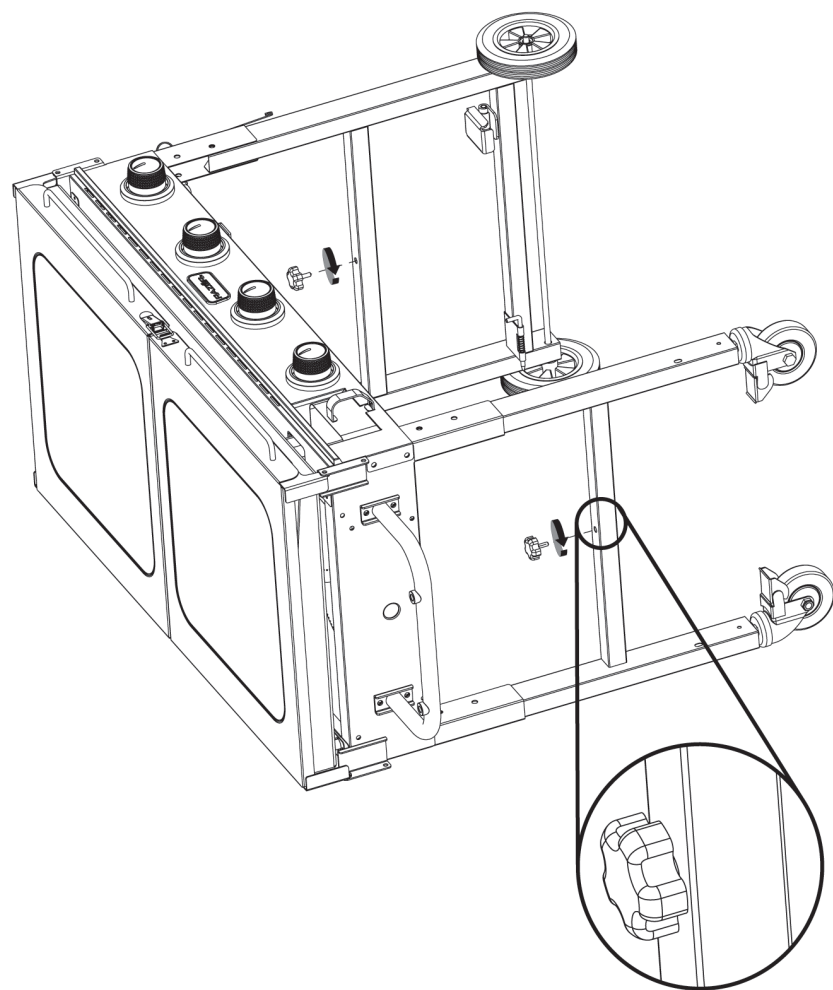
**▲ CAUTION:** Two (2) people will be required to lay griddle on back.





5

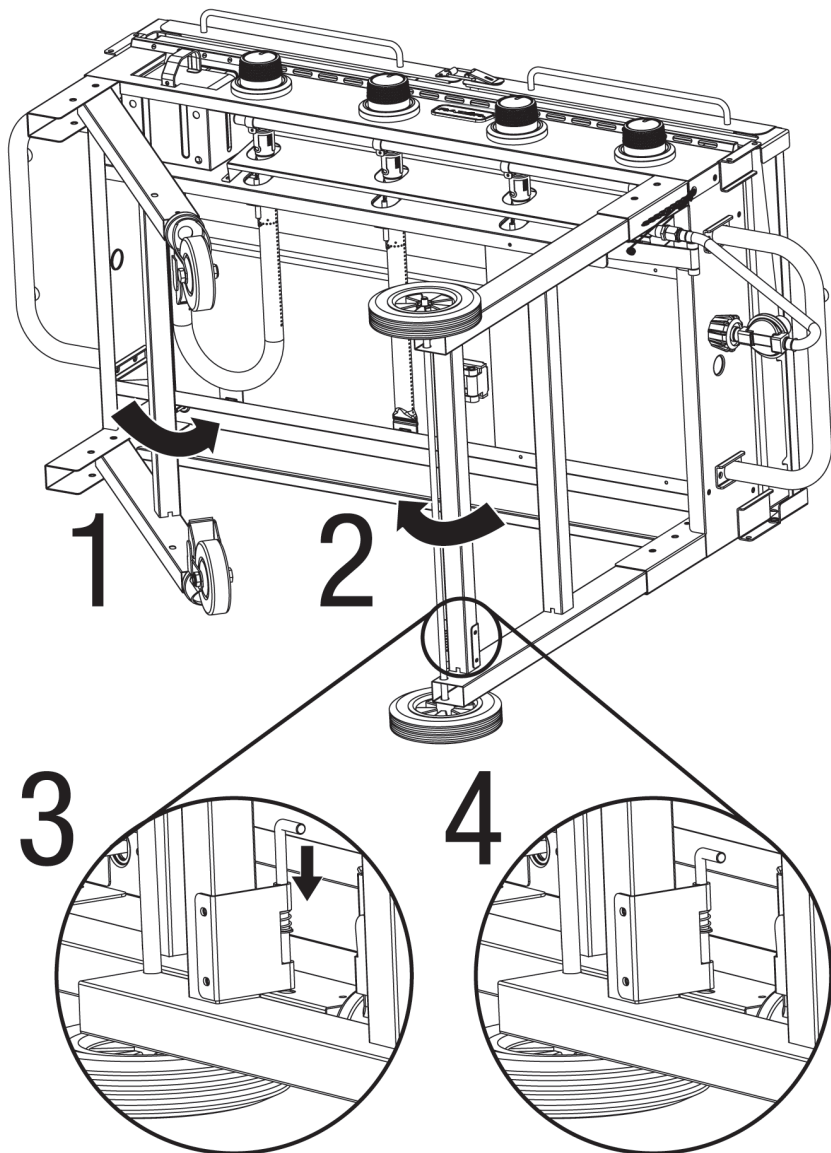
### Attach Bottom Shelf Screws



6

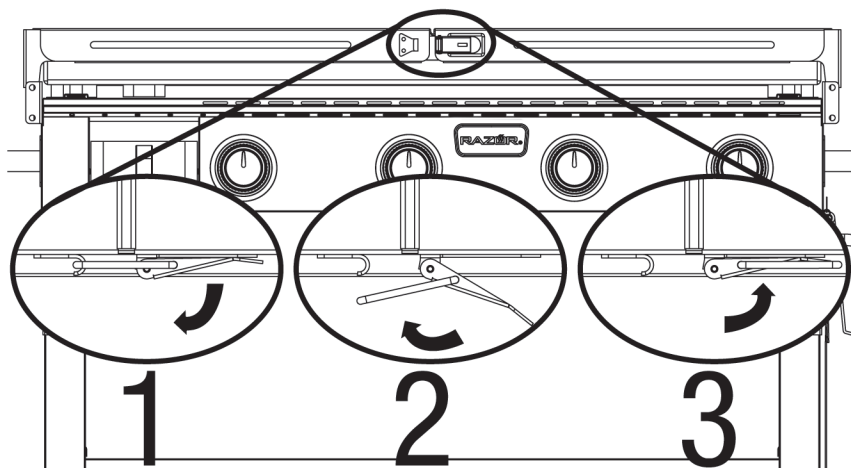
### Close Legs

Note: Close left leg first.



7

### Unlock Side Shelves



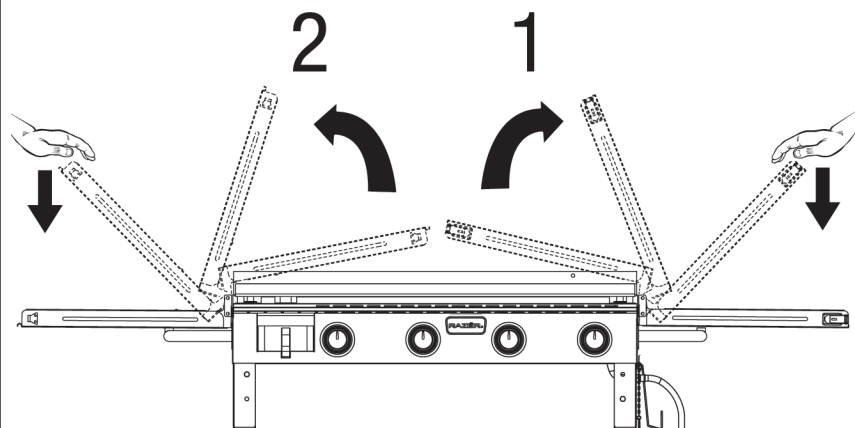
### Open Side Shelves

Open right side shelf first, then left side. Make sure side shelves are pushed all the way down.

Note: support springs may cause the side shelves NOT to rest completely flush with the side handles.

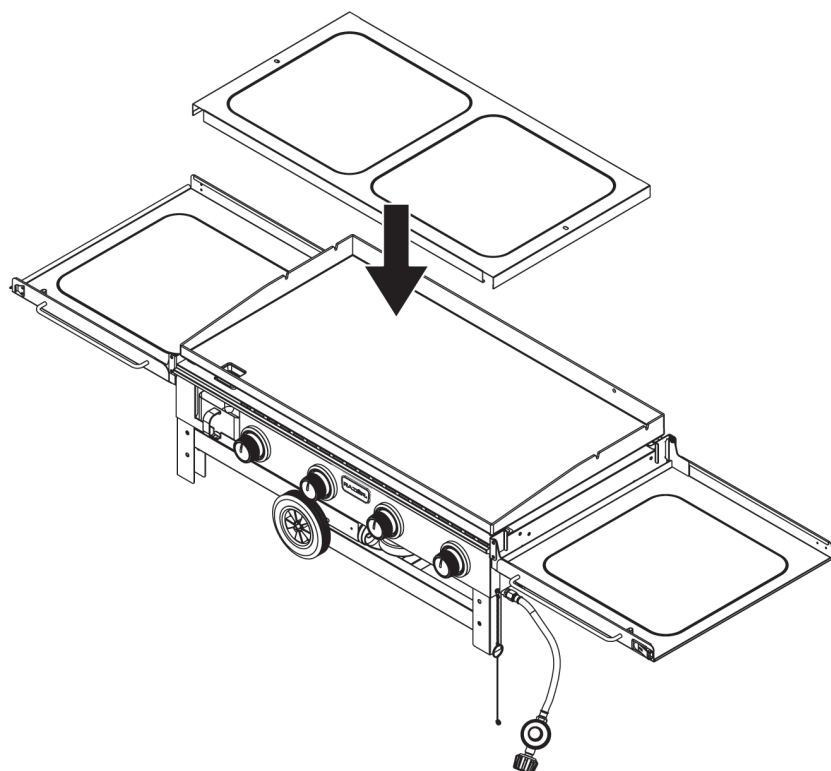
▲ **CAUTION:** Hold side shelf securely while opening. Do NOT release until fully extended.

▲ **CAUTION:** Maximum side shelf weight is 33 lbs (15 kg).



8

### Place Bottom Shelf



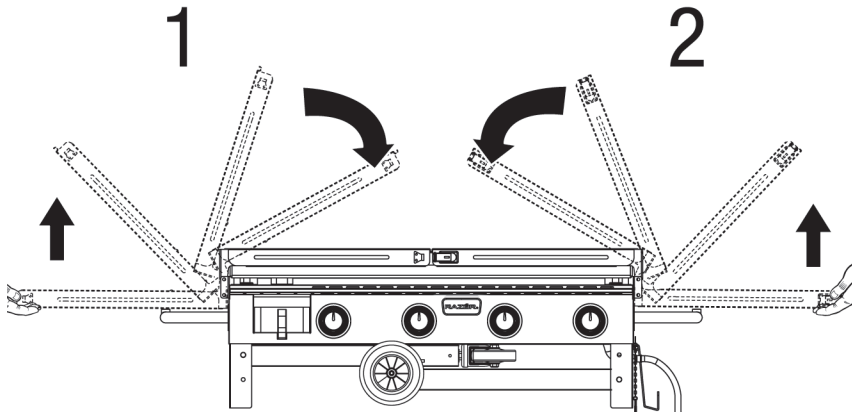
## Transporting & Storage Instructions (continued)

# 9

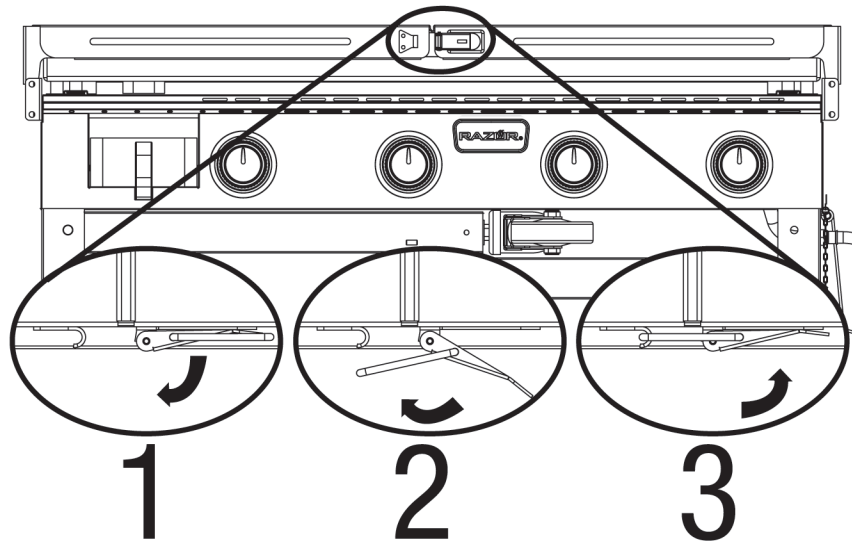
### Close Side Shelves

Close left side shelf first, then right side shelf.

**▲ CAUTION: Hold side shelf securely while closing. Do NOT release until fully closed.**

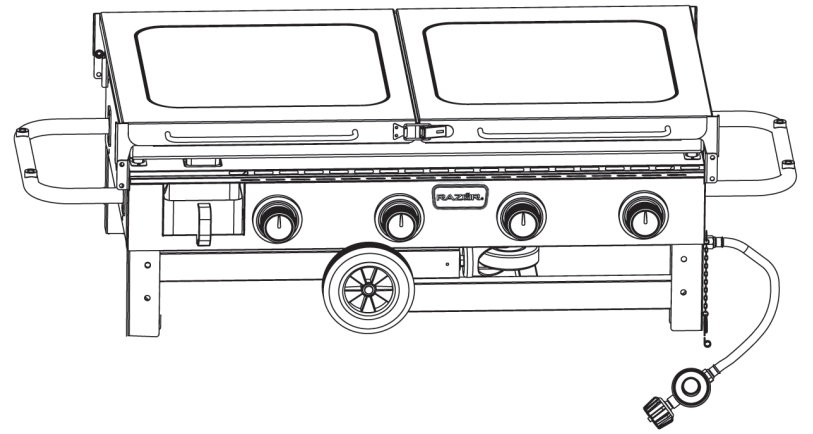


### Lock Side Shelves



# 10

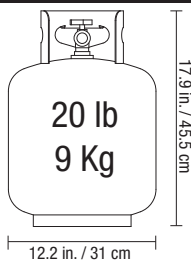
### Transport or Store your Griddle



## Installing LP Gas Tank

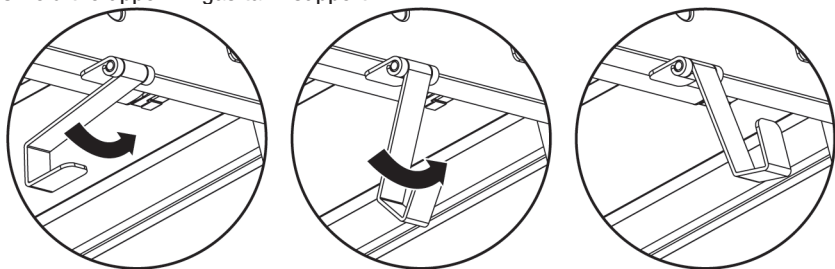
To operate, you will need one precision-filled standard barbecue grill LP gas tank with external valve threads.

- ▲ **CAUTION: LP gas tank must be properly disconnected and removed prior to moving this griddle.**

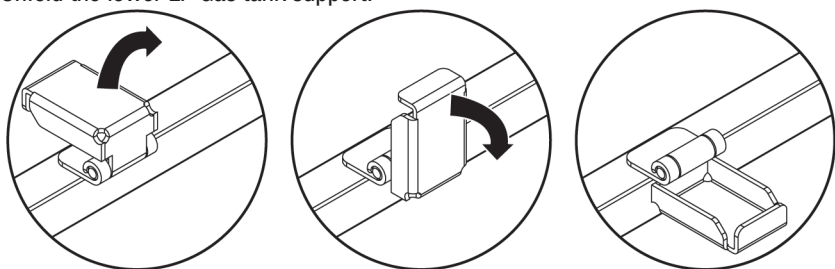


## Inserting and Securing LP Gas Tank

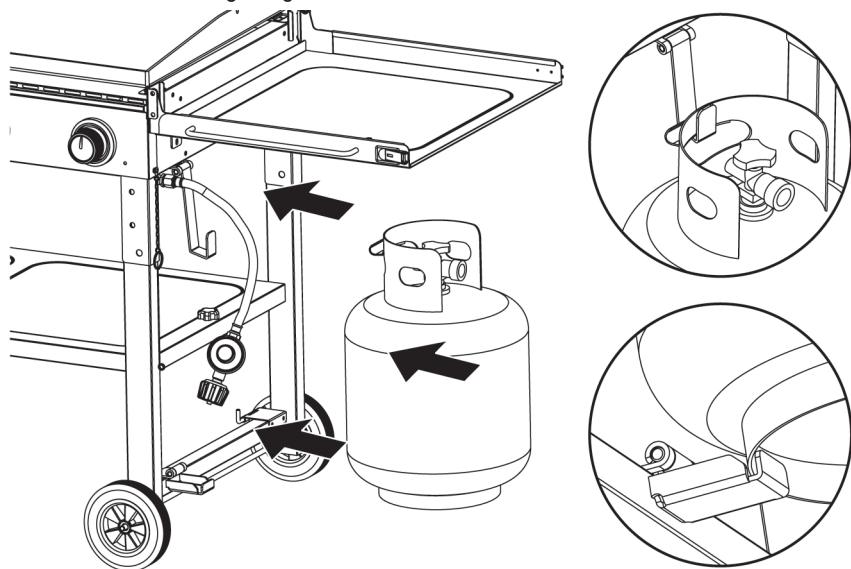
1. Unfold the upper LP gas tank support.



2. Unfold the lower LP Gas tank support.

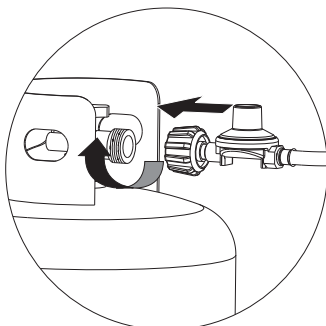


3. Place precision-filled LP gas tank upright onto the upper and lower LP gas tank support so the tank valve is facing the gas line connection.



## Connecting LP Gas Tank

1. Make sure control knobs are in the "OFF" position (Figure 2).
2. Before connecting, be sure there is no debris caught in the head of the LP gas tank, head of the regulator valve or in the head of the burner or burner ports.
3. Connect regulator/hose assembly to tank by turning knob clockwise until it stops.
4. Perform leak test per "Checking for Leaks" section.

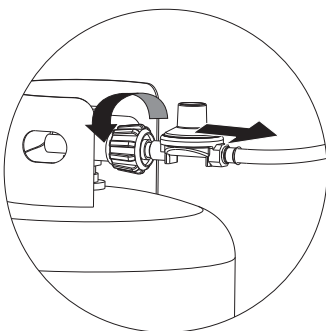


## Disconnecting LP Gas Tank

1. Make sure control knobs are in the "OFF" position (Figure 2).
2. Before disconnecting, make sure the LP gas tank valve is "CLOSED."
3. Disconnect regulator/hose assembly from LP gas tank by turning knob counterclockwise until it is loose.

- ▲ **CAUTION: LP gas tank must be properly disconnected and removed prior to moving this griddle.**

4. Place the protective cap cover on the LP tank and store the tank outdoors in a well ventilated area out of direct sunlight.



## Operating Instructions

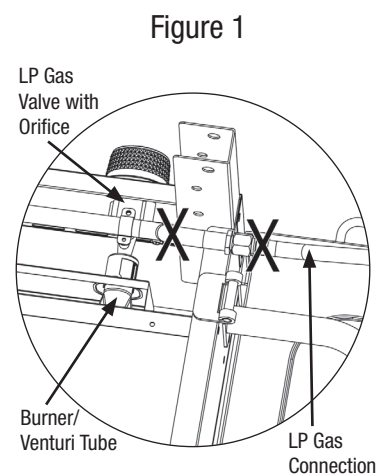
### Checking for Leaks

#### Burner Connections

1. Make sure the regulator hose and valve connections are securely fastened to the burner and the tank.
2. Visually check the connection between the burner/venturi tube and orifice.
3. Make sure the burner/venturi tube fits over the orifice.

- ▲ **WARNING: Failure to inspect this connection or follow these instructions could cause a fire or an explosion which can cause death, serious bodily injury or damage to property.**

4. Please refer to diagram for proper installation (Figure 1).
5. If the burner/venturi tube does not rest flush to the orifice, as shown, please contact 1.800.694.0013 for assistance.



#### Tank/Gas Line Connection

1. Make 2-3 oz. of leak detection solution by mixing one part liquid dish washing soap with three parts water.
2. Make sure control knobs are in the "OFF" position (Figure 2).
3. Connect LP gas tank per "Installing LP Gas Tank" section.
4. Turn LP gas tank valve to "OPEN."
5. Spoon several drops of solution, or use a squirt bottle, at all "X" locations (Figures 1 and 3).
  - a. If any bubbles appear, turn LP gas tank valve to "CLOSED," reconnect and re-test.
  - b. If you continue to see bubbles after several attempts, turn LP gas tank valve to "CLOSED" and disconnect LP gas tank, per "Disconnecting LP Gas Tank" section. Contact 1.800.694.0013 for assistance.
  - c. If no bubbles appear after one minute, turn LP gas tank valve to "CLOSED," wipe away solution and proceed.

Figure 1

Figure 2

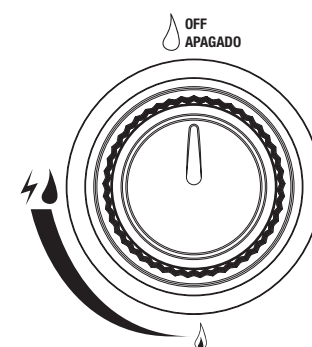


Figure 3

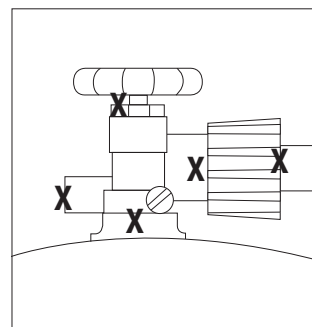
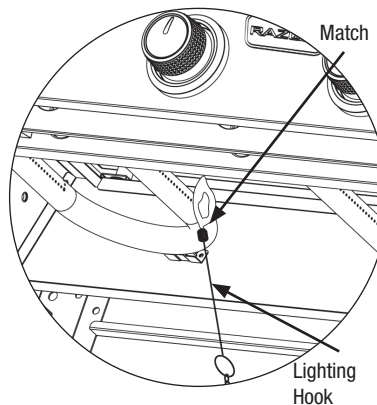


Figure 4

### Operating Main Burners

#### First Use

1. Make sure all labels, packaging and protective films have been removed from the griddle.
2. Light griddle per "Lighting" section.
3. Remove manufacturing oils before cooking on this griddle for the first time.
4. **Season your griddle per "Seasoning Griddle" section.**

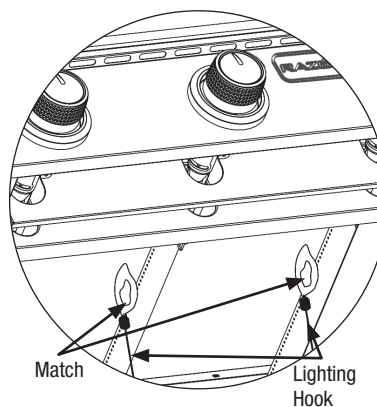


#### Lighting

- ▲ **CAUTION: Keep outdoor gas cooking appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.**
- ▲ **CAUTION: Do NOT obstruct the flow of combustion and ventilation air.**
- ▲ **CAUTION: Check and clean burner/venturi tubes for insects and insect nests. A clogged tube can lead to a fire.**
- ▲ **CAUTION: Do NOT use non-stick cooking sprays because they contain a lot of water and can burn onto the griddle, damaging the surface.**
- ▲ **CAUTION: Do NOT use corn oil as it contains a high level of sugar, which can caramelize and burn onto the surface.**

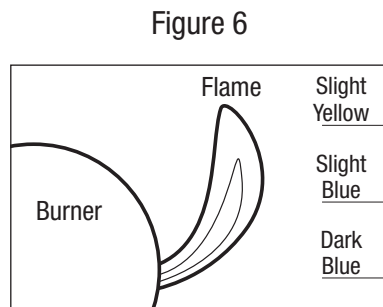
1. Open side shelves.
2. Check for obstructions of airflow to the burners. Spiders, insects and webs can clog the burner/venturi tube. A clogged burner tube can lead to a fire.
3. All control knobs must be in the "OFF" position (Figure 2).
4. Connect LP gas tank per "Installing LP Gas Tank" section.

Figure 5



### Operating Instructions (continued)

- Turn LP gas tank valve to "OPEN."
- Push and turn any control knob to 🔥 (HIGH). The burner should light. If it does not, repeat up to three times.
- If ignition does not occur in 5 seconds, turn burner control knob "OFF," wait 5 minutes, and repeat lighting procedure.
- If igniter does not light burner, use a lit match secured with the Lighting Hook (included with the griddle) to light burners. Access the burners from under the griddle. Position lit match near side of burner (Figures 4 and 5).



**Important:** Always use the Lighting Hook (included) when lighting burners with a match.

- After lighting, observe the burner flame. Make sure all burner ports are lit and flame height matches illustration (Figure 6).

*Note:* Each burner lights independently - repeat steps 5-9 for the other burners.

- CAUTION:** If burner flame goes out during operation, immediately turn the control knobs to the "OFF" position, turn the LP gas tank valve to "CLOSED" and open lid to let the gas clear for 5 minutes before re-lighting.

#### Turning Off

- Turn LP gas tank valve to "CLOSED."
- Turn all control knobs clockwise to the "OFF" position (Figure 2).  
*Note:* A "poof" sound is normal as the last of the LP gas is burned.
- Disconnect LP gas tank per "Disconnecting LP Gas Tank" section.
- Season your griddle per "Seasoning Griddle" section.

#### Controlling Flare-ups

- CAUTION:** Putting out grease fires by only closing the lid is not possible.
  - If a grease fire develops, turn control knobs to the "OFF" position and LP gas tank valve to "CLOSED." Do NOT use water on a grease fire. This can cause the grease to splatter and could result in serious burns, bodily harm or other damage.
  - Do NOT leave griddle unattended while preheating or burning off food residue on 🔥 or 🔥🔥 (HIGH). If griddle has not been cleaned, a grease fire can occur.
- WARNING:** When cooking, fire extinguishing materials should be readily accessible. In the event of an oil/grease fire, use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda. Do NOT attempt to extinguish with water.

Flare-ups are a part of cooking meats on a griddle and add to the unique flavor of grilling.

**Excessive flare-ups can over-cook your food and be dangerous.**

**Important:** Excessive flare-ups result from the build-up of grease in the grease cup.

If a grease fire occurs, turn the control knob(s) to "OFF" until the grease burns out.

If excessive flare-ups occur, **do NOT** pour water onto the flames.

#### Minimize Flare-ups:

- Trim excess fat from meats prior to cooking.
- Cook high fat content meats on 🔥 (LOW) setting or indirectly.
- Ensure that your griddle is on a hard, level, non-combustible surface and the grease is allowed to drain into grease receptacle.

#### Operating Sear Burner

- CAUTION:** Do NOT use non-stick cooking sprays as they can burn onto the griddle, damaging the surface.
- CAUTION:** Do NOT use corn oil as it contains a high level of sugar, which can caramelize and burn onto the surface.

A sear burner operates at very high temperatures. It can sear your food and seal in juices.

#### Lighting

- Light burner per "Operating Main Burners" section.
- If igniter does not light burner, use a lit match secured with the Lighting Hook (included with griddle) to light burners. Insert the Lighting Hook through the hole on the side of the cart and position the lit match near side of the burner (Figure 7).
- The sear burner is activated between 🔥🔥 to 🔥.
- To turn the sear burner off and use as a main burner, turn the knob counterclockwise to 🔥 (HIGH) (Figure 9).
- To lower the flame of main burner, keep turning the knob counterclockwise to 🔥 (LOW) (Figure 10).

#### Turning Off

- Turn LP gas tank valve to "CLOSED."
- Turn all control knobs clockwise to the "OFF" position. (Figure 8).  
*Note:* A "poof" sound is normal as the last of the LP gas is burned.
- Disconnect LP gas tank per "Disconnecting LP Gas Tank" section.
- Season your griddle per "Seasoning Griddle" section.

#### Controlling Flare-ups

- CAUTION:** Putting out grease fires by only closing the lid is not possible.
  - If a grease fire develops, turn control knobs to the "OFF" position and LP gas tank valve to "CLOSED." Do NOT use water on a grease fire. This can cause the grease to splatter and could result in serious burns, bodily harm or other damage.
  - Do NOT leave griddle unattended while preheating or burning off food residue on 🔥 or 🔥🔥 (HIGH). If griddle has not been cleaned, a grease fire can occur.
- WARNING:** When cooking, fire extinguishing materials should be readily accessible. In the event of an oil/grease fire, use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda. Do NOT attempt to extinguish with water.

Flare-ups are a part of cooking meats on a griddle and add to the unique flavor of grilling.

**Excessive flare-ups can over-cook your food and be dangerous.**

**Important:** Excessive flare-ups result from the build-up of grease in the bottom of your griddle.

If a grease fire occurs, turn the control knob(s) to "OFF" until the grease burns out.

If excessive flare-ups occur, **do NOT** pour water onto the flames.

#### Minimize Flare-ups:

- Trim excess fat from meats prior to cooking.
- Cook high fat content meats on 🔥 (LOW) setting or indirectly.
- Ensure that your griddle is on a hard, level, non-combustible surface and the grease is allowed to drain into grease receptacle.

### Cleaning and Care

- CAUTION:**
  - All cleaning and maintenance should be done when griddle is cool and with the fuel supply disconnected.
  - Do NOT clean any griddle part in a self-cleaning oven. The extreme heat will damage the finish.
  - Do NOT enlarge valve orifices or burner ports when cleaning the valves or burners.

#### Notices

- This griddle should be thoroughly cleaned and inspected on a regular basis.
- Abrasive cleaners will damage this product.
- Never use oven cleaner to clean any part of griddle.

#### Before Each Use:

- Keep the griddle area clean and free from any combustible materials, gasoline, and other flammable vapors and liquids.
- Do NOT obstruct the flow of the combustion of LP gas and the ventilation of air.
- Keep the ventilation opening(s) of the LP gas tank area free and clear from debris.
- Visually check the burner flames to make sure your griddle is working properly (Figure 11).
- See sections below for proper cleaning and seasoning instructions.
- Check for obstructions of airflow to the burners. Spiders, insects and webs can clog the burner/venturi tube. A clogged burner tube can lead to a fire.

Figure 7

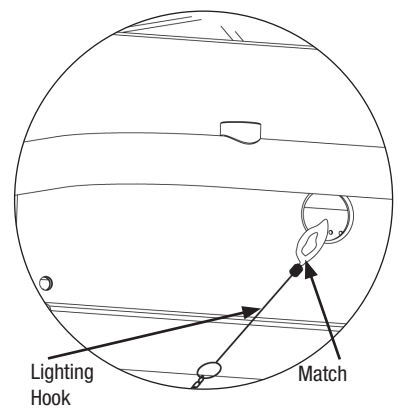


Figure 8

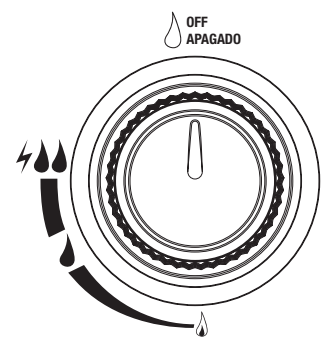


Figure 9

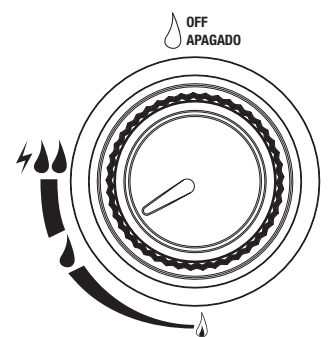
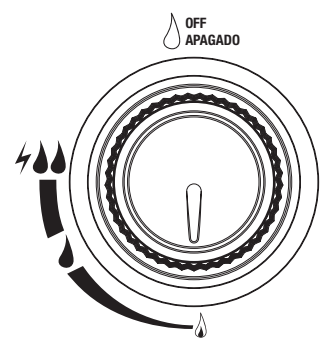


Figure 10



## Cleaning and Care (continued)

### Cleaning Cart Surfaces

1. Wipe surfaces clean with mild dish washing detergent or baking soda mixed with water.
2. For stubborn surfaces, use a citrus-based degreaser and a nylon scrubbing brush.
3. Rinse clean with water.
4. Allow to air dry.

### Cleaning Main Burners

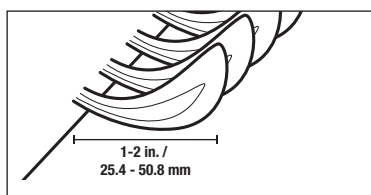
**⚠ CAUTION: Two (2) people will be required to remove griddle.**

1. Turn LP gas tank valve to "CLOSED."
2. Turn all control knobs clockwise to the "OFF" position.  
 Note: A "poof" sound is normal as the last of the gas is burned.
3. Disconnect LP gas tank per "Disconnecting LP Gas Tank" section.
4. Remove griddle by lifting it off the cart.
5. Remove burners by removing the fasteners, which secure the burners to the frame bottom.
6. Lift burners up and away from gas valve orifice.
7. Disconnect wire from spark electrode.
8. Clean venturi of each burner with small bottle brush or compressed air.
9. Remove all residue and dirt from burner surface.
10. Clean any clogged ports with a stiff wire (such as an opened paper clip).
11. Inspect burners for any damage (cracks or holes). If damage is found, replace with new burner(s) from manufacturer.
12. Re-install burner(s). Checking to insure that gas valve orifice is correctly positioned inside each burner/venturi tube. Also, check position of spark electrode.
13. Connect wire to spark electrode.
14. Replace griddle.
15. Connect LP gas tank per "Installing LP Gas Tank" section.
16. Perform leak test per "Checking for Leaks" section.

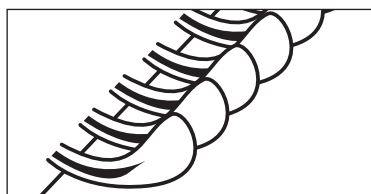
Figure 11

#### Burner Flame Conditions

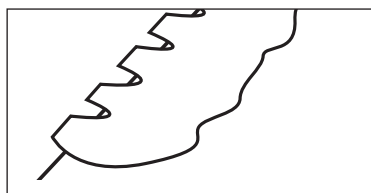
Use this chart to see if your burners need to be cleaned.



**Normal:** Soft blue flames with yellow tips between 1 in. - 2 in. height.



**Needs cleaning:** Noisy with hard blue flames.



**Has to be replaced:** Wavy with yellow flames.

6. Apply cooking oil onto griddle surface, inner and outer walls and evenly coat with rolled up paper towels.
7. Repeat this process at least twice.

#### After Each Use

1. Turn griddle off per "Turning Off" section.
2. While the griddle is still warm, gently scrape off all food residue with a scraper.
3. Wipe down griddle surface, inner and outer walls with a towel or paper towels.
4. For stubborn food residue:
  - a. Light griddle per "Lighting" section.
  - b. Apply cooking oil onto griddle surface.
  - c. Allow oil to "boil" food residue off.
  - d. Repeat steps 1 through 3.
  - e. If necessary, use a BBQ stone and scrub the food residue off.
  - f. Continue with "Seasoning Griddle" instructions.
5. Wipe off griddle surface, inner and outer walls with paper towels until clean.  
 Note: While drying you may notice the towel has some discoloration. This is normal.
6. Apply finishing oil onto griddle surface, inner and outer walls and evenly coat with rolled up paper towels.
7. Light griddle per "Lighting" section.
8. Keep burners on 🔥 and 🔥🔥 (HIGH) for 15 minutes or until cooking oil starts to smoke.
9. Turn griddle off per "Turning Off" section.
10. Repeat steps 6-9 a minimum of 2 additional times.
11. Following "Before Storing" section.

#### Refurbish the Griddle Surface

1. If griddle is off, light per "Lighting" section for 10 minutes. Then turn griddle off per "Turning Off" section.
2. If griddle is on, turn griddle off per "Turning Off" section.
3. While the griddle is still warm, use a scraper or metal spatula to remove as much rust and food residue as you can from the griddle surface, inner and outer walls.
4. Apply a liberal amount of cooking oil onto the griddle surface.
5. Using a BBQ stone, scrub the griddle surface. Apply additional cooking oil as need.
6. Wipe off griddle surface, inner and outer walls with paper towels.
7. Repeat steps 3-5 until paper towels no longer show any rust.
8. Apply cooking oil onto griddle surface, inner and outer walls and evenly coat with rolled up paper towels.
9. Light griddle per "Lighting" section.
10. Keep burners on 🔥 and 🔥🔥 (HIGH) for 15 minutes or until cooking oil starts to smoke.
11. Turn griddle off per "Turning Off" section.
12. Repeat steps 7-10 until the surface has a nice dark color.
13. Following "Before Storing" section.

### Before Storing

1. Turn LP gas tank valve to "CLOSED."
2. Turn all control knobs clockwise to the "OFF" position.  
 Note: A "poof" sound is normal as the last of the gas is burned.
3. Disconnect LP gas tank per "Disconnecting LP Gas Tank" section.
4. Clean all surfaces.
5. Lightly coat the burner(s) with cooking oil to prevent excess rusting.
6. Season your griddle per "Seasoning Griddle" section.
7. If storing the griddle indoors, disconnect the LP tank per "Disconnecting LP Gas Tank" section.
8. Place the protective cap cover on the LP tank and store the tank outdoors in a well-ventilated area out of direct sunlight.
9. If storing the griddle indoors, cover the griddle and store in a cool dry place.
10. If storing the griddle outdoors, cover the griddle with a griddle cover for protection from the weather.

### Seasoning Griddle

**Important: season your griddle every time you use it.**

Griddle chefs at Japanese steakhouses and short-order restaurants season their griddles all the time, and it is critical for you to do it too. Seasoning helps prolong the life of your griddle, makes the cooking surface non-stick and helps prevent rust.

For more information, please visit [BlueRhino.com/RazorFAQ](http://BlueRhino.com/RazorFAQ).

#### Tools needed for seasoning:

- Metal scraper or metal spatula
- Cooking oil, such as vegetable oil or extra virgin olive oil
- Paper towels
- BBQ stone or steel wool

**⚠ CAUTION: Do NOT use corn oil as it contains a high level of sugar, which can caramelize and burn onto the surface.**

#### First Use

1. Light griddle per "Lighting" section.
2. Keep burners on 🔥 and 🔥🔥 (HIGH) for 15 minutes.
3. Turn griddle off per "Turning Off" section.
4. Allow griddle to cool, but still be slightly warm.
5. Wipe off griddle surface, inner and outer walls with paper towels until clean.  
 Note: While drying you may notice the towel may have some discoloration. This is normal.

## Product Registration

For faster warranty service, please register your product immediately. To register, call 1.800.694.0013.

## Replacement Parts

For replacement parts, call 1.800.694.0013.

## Limited Warranty

RevoAce Inc. Limited ("manufacturer") warrants to the original retail purchaser of this product, and to no other person, that if this product is assembled, maintained, and operated in accordance with the printed instructions accompanying it, then for a period of one (1) year from the date of purchase, all parts in such product shall be free from defects in material and workmanship. Manufacturer 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, which prove defective under normal use and service and which manufacturer shall determine in its reasonable discretion upon examination to be defective. Before returning any parts, you should contact manufacturer's Customer Service Department using the contact information listed below. If manufacturer confirms, after examination, a defect covered by this Limited Warranty in any returned part, and if manufacturer approves the claim, manufacturer will replace such defective part without charge. If you return defective parts, transportation charges must be prepaid by you. manufacturer will return replacement parts to the original retail purchaser, freight or postage prepaid.

This Limited Warranty does not cover any failures or operating difficulties due to accident, abuse, misuse, alteration, misapplication, improper installation or improper maintenance or service by you or any third party, or failure to perform normal and routine maintenance on the product as set out in this owner's manual. In addition, the Limited Warranty does not cover damage to the finish, such as scratches, dents, discoloration, rust or other weather damage, after purchase.

This Limited Warranty is in lieu of all other express warranties. manufacturer disclaims all warranties for products that are purchased from sellers other than authorized retailers or distributors, including the warranty of merchantability or the warranty of fitness for a particular purpose. MANUFACTURER ALSO DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY TO PURCHASER OR ANY THIRD PARTY FOR ANY SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. manufacturer further disclaims any implied or express warranty of, and assumes no responsibility for, defects in workmanship caused by third parties.

This Limited Warranty gives the purchaser specific legal rights; a purchaser may have other rights depending upon where he or she lives. Some jurisdictions do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long a warranty lasts, so the above exclusion and limitations may not apply to everyone. manufacturer 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 manufacturer.

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1.800.694.0013

8:00 am to 4:00 pm central time, Monday to Friday.

## Troubleshooting

Problem	Possible Cause	Prevention/Cure
<b>Burner will not light using igniter</b>	LP gas tank valve is closed	Make sure regulator is securely attached to the LP gas tank per "Installing LP Gas Tank," then turn LP gas tank valve to "OPEN"
	LP gas tank is low or empty	Exchange, refill or replace LP gas tank
	LP gas	1. Turn LP gas tank valve to "CLOSED" 2. Wait 5 minutes for gas to clear 3. Follow "Checking for Leaks" section
	Wires or electrode covered with cooking residue	Clean wire and/or electrode with rubbing alcohol
	Electrode and burners are wet	Wipe dry with cloth
	Electrode cracked/broken - sparks at crack	Replacement part(s) may be needed - contact Customer Care at 1.800.694.0013
	Wire loose or disconnected	Reconnect wire or replacement part(s) may be needed - contact Customer Care at 1.800.694.0013
	Wire is shorting (sparking) between igniter and electrode	Replacement part(s) may be needed - contact Customer Care at 1.800.694.0013
<b>Burner will not light with match</b>	Bad igniter	Replacement part(s) may be needed - contact Customer Care at 1.800.694.0013
	No gas flow	Check if LP gas tank is empty A. If empty, exchange, refill or replace LP gas tank B. If LP gas tank is not empty, refer to "Sudden drop in gas flow or reduced flame height" (see below)
	LP gas tank is low or empty	Exchange, refill or replace LP gas tank
	LP gas	1. Turn LP gas tank valve to "CLOSED" 2. Wait 5 minutes for gas to clear 3. Follow "Checking for Leaks" section
	Coupling nut and regulator not fully connected	Turn the coupling nut about one-half to three-quarters additional turn until solid stop. <b>Tighten by hand only - do NOT use tools</b>
	Obstruction of gas flow	1. Clear burner/venturi tube 2. Check for bent or kinked hose
	Disengagement of burner to valve	Re-engage burner and valve
	Spider webs or insect nest in venturi	Clean burner/venturi tube
<b>Sudden drop in gas flow or reduced flame height</b>	Burner ports clogged or blocked	Clean burner ports
	Out of gas	Exchange, refill or replace LP gas tank
<b>Irregular flame pattern, flame does not run the full length of burner</b>	Overfilling prevention device may have been activated	1. Turn control knobs to "OFF" 2. Wait 30 seconds and light griddle 3. If flames are still too low, reset the overfilling prevention device: a. Turn control knob(s) "OFF" b. Turn LP gas tank valve to "CLOSED" c. Disconnect regulator d. Turn control knobs to 🔥 and 🔥🔥 (HIGH) e. Wait 1 minute f. Turn control knobs to "OFF" g. Reconnect regulator and leak check connections, being careful not to fully open valve h. Light griddle per "Lighting" section
	Burner ports are clogged or blocked	Clean burner ports
<b>Flame is yellow or orange</b>	New burner may have residual manufacturing oils	Burn griddle for 15 minutes on 🔥 and 🔥🔥 (HIGH) with the lid closed
	Spider webs or insect nest in venturi	Clean venturi
	Food residue, grease, etc. on burners	Clean burner
	Poor alignment of valve to burner/venturi tube	Ensure burner/venturi tube is properly engaged with valve
<b>Flame goes out</b>	High or gusting winds	Do not use griddle in high winds
	Low on LP Gas	Exchange, refill or replace LP gas tank
	Overfilling prevention device may have been activated	Refer to "Sudden drop in gas flow or reduced flame height" (see above)
<b>Flare-up</b>	Grease buildup	Remove and clean all griddle parts per "Cleaning and Care" section
	Excess fat in meat	Trim fat from meat before cooking
	Excessive cooking temperature	Adjust to lower cooking temperature
<b>Persistent grease fire</b>	Grease trapped by food buildup around burner system	1. Turn control knobs to "OFF" 2. Turn LP gas tank valve to "CLOSED" 3. Leave lid in closed position and let fire burn out 4. After griddle cools, remove and clean all parts per "Cleaning and Care" section
<b>Flashback (fire in burner tube(s))</b>	Burner and/or burner/venturi tube are blocked	Clean burners and/or burner/venturi tube
<b>Griddle Surface</b>	Griddle has started to rust	With use the griddle surface will rust, this is normal. Follow the "Refurbish the Griddle Surface" instructions in the "Seasoning Griddle" section to season your griddle surface.
	Griddle surface looks dull	The cooking surface has gotten too hot, and is no longer seasoned. Season grill per "Seasoning Griddle" section.

For more assistance, please call 1.800.694.0013.

