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Grand Hall OD3208SNG Owner's Manual

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Operator's Manual

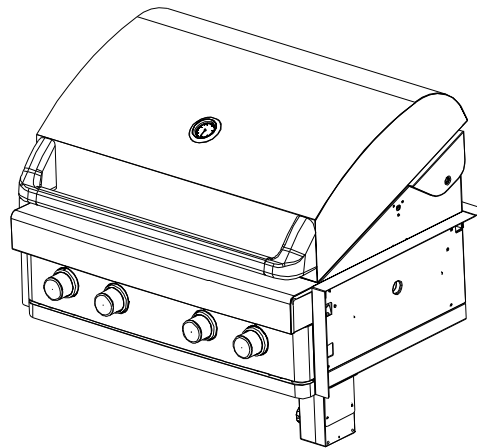


Liquid Propane Gas (LPG) Grill

Model OD3208SLP

Natural Gas (NG) Grill

Model OD3208SNG



Model OD3208SLP/NG

FREE HELP FROM THE GRILL EXPERTS

Grand Hall is the expert on this product and trained to help you with:

- Y Assembly Questions
- Y Grill Operation
- Y Replacement of Damaged or Missing parts

visit www.grandhall.com or call:

1-877-934-7455

Monday - Friday 8:00am-4:30pm CST

IMPORTANT:

Y NOTE TO ASSEMBLER/INSTALLER:

Leave this manual with the consumer.

Y NOTE TO CONSUMER:

Keep this manual for future reference.

Y RECORD YOUR SERIAL # _____

(see silver CSA label on main body of grill)



WARNING



- Y Failure to comply with these instructions could result in a fire or explosion that could cause serious bodily injury, death or property damage.
- Y Whether this grill was assembled by you or someone else, you must read this entire manual before using your grill to ensure the grill is properly assembled, installed and maintained.
- Y **Use your grill at least 3 feet away from any wall or surface.** Use your grill at least **3 feet away** from combustible objects that can melt or catch fire such as vinyl or wood siding, fences and overhangs or sources of ignition including pilot lights on water heaters and live electrical appliances.
- Y THIS GAS APPLIANCE IS DESIGNED FOR OUTDOOR USE ONLY.
- Y **Never** use your gas grill in a garage, porch, shed, breezeway or any other enclosed area.
- Y **Never** obstruct the flow of ventilation air around your gas grill housing.
- Y **Never** disconnect the gas regulator or any gas fitting while your grill is lit. A lit grill can ignite leaking gas and cause a fire or explosion which could result in property damage, personal injury or death.

Table of Contents

Primary Safety Warnings	1-3
Pre-Assembly Instructions	3
Part Diagrams and Lists	4-7
Assembly Instructions	8-10
LP Gas Tank Installation	11-13
Natural Gas Connection	14
Use & Care Instructions:	
• Lighting Instructions	15
• Troubleshooting	16
Cleaning and Maintenance	17
Cooking Guide	A1-A4
Frequently Asked Questions	A5-A6
Warranty Terms	Back Cover

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Grand Hall and design®, DS Grill and design®, Crossray™ Lateral Infrared Burner Technology, Command Flame®, Smooth Start® Electronic Ignition System, Ceramic Savor Plates®, Sear-zzler®, Stainless Clad Therma-Core® Cooking Grids, Grand Café and design®, Grand Mark and design®, Grand Chef and design®, Grand Royale and design®, Globe Café and design®, Urban Café and design®, Smokeless Grill and design®.

Patents held by Grand Hall include the following:

The Crossray Burner System by Grand Hall is covered by Australian Patent No. 2006100635, Chinese Patent No. 960361, European Patent Pending, French Patent 0607231, German Patent No. 20 2006 012 212.5, U.K Patent GB2440714, and U.S. Patent 7,475,632.

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WARNING

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

WARNING

1. Always keep the Grease/Water Tray 1/2 filled with water during operation. Failure to follow this could result in a grease fire that could cause serious bodily injury or property damage.
2. Handle this Grease/Water tray with a flame retardant BBQ mitt.



WARNING



- LPG models must be used with Liquid Propane Gas and the regulator assembly supplied. Natural Gas models must be used with Natural Gas only. Any attempt to convert the grill from one fuel type to another is extremely hazardous and will void the warranty.
- Keep gas regulator hose away from hot grill surfaces and dripping grease. Avoid unnecessary twisting of hose. Visually inspect hose prior to each use for cuts, cracks, excessive wear or other damage. If the hose appears damaged do not use the gas grill. Call **1-877-934-7455** for a certified replacement hose.
- **California Proposition 65**
Combustion byproducts produced when using this product contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Brass components on the grill, such as hose fittings, propane cylinder valves (sold separately) and burner valve stems, contain lead which is known to the State of California to cause cancer, birth defects, or other reproductive harm.
- **Never use charcoal** or lighter fluid in this gas grill. Failure to comply with these instructions could result in a grease fire or explosion that could cause serious bodily injury, death or property damage.
- The Grease/Water Tray must be visually inspected before each grill use. Remove any grease and wash Grease/Water Tray with a mild soap and warm water solution. **Failure to comply with these instructions could result in a grease fire or explosion that could cause serious bodily injury, death or property damage.**



DANGER



If you smell gas:

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

Pre-Assembly Instructions For Your Safety

Congratulations on your selection of one of the finest outdoor kitchen appliances available. Your Grill is equipped with the unique Crossray Infrared Cooking System® by Grand Hall, which offers restaurant style grilling performance.

Infrared grilling technology cooks the food directly (and not the air around it) which offers many advantages over conventional grilling systems:

- MORE FLAVORFUL FOOD** as the intense heat sears the food and locks in the juices while also cooking it faster which usually means more succulence.
- FEWER FLAREUPS** as the higher infrared heat vaporizes more drippings which also adds natural flavoring to your food.
- MORE EFFICIENCY AND CONVENIENCE** as the higher heat means shorter cooking times, more fuel efficiency and easier year round grilling.

To begin your “restaurant quality” grilling, become familiar with all of the cooking elements of your Grand Hall Grill lighting and operating instructions.

IMPORTANT NOTE: Your infrared Grand Hall Grill is equipped with an innovative Grease/Water Tray that is designed to trap excess grease drippings but also to moisturize your food. It is important to keep this tray half-filled with water while grilling in order to get the best possible results.

WARNING: Grease and water can get very hot. Always handle the Grease/Water Tray with a flame retardant BBQ mitt. Before removing the Grease/Water Tray, always be sure that the grill has properly cooled. Be aware that the tray does contain water and grease and be extremely careful when removing the tray to prevent spillage. Failure to follow these instructions could cause serious bodily injury or property damage.

US Patented No.: 7,475,632
Europe Patent Pending
Australia Patent No.: 2006100635
Germany Patent No.: 202006012212.5
France Patent No.: 0607231
UK Patent No.: GB2440714
China Patent No.: 960361

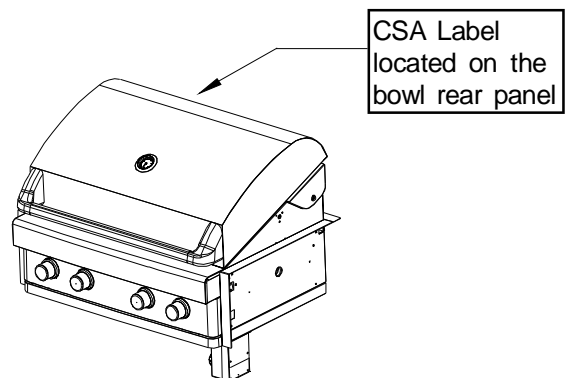
PRE-ASSEMBLY

Read and perform the following pre-assembly instructions:

- Tools Required for Assembly:**
 - protective work gloves
 - protective eyewear
 - Phillips Head screwdriver
- You will need assistance from another person to handle the grill head and other large, heavy parts.
- Open Lid of shipping carton. Remove top sheet of cardboard and packing materials. Lay cardboard sheet on floor and use as a work surface to protect floor and grill parts from scratches.
- You may slice the carton front corners with a utility knife to lay open the carton front panel. This allows you to raise the Lid and remove the components packed inside, making it easier to lift.
- Use the Hardware and Part Diagrams to ensure all items are included and free of damage.
- Do not assemble or operate the grill if it appears damaged. If there are damaged or missing parts when you unpack the shipping box or you have questions during the assembly process call: **1-877-934-7455 M-F 8AM-4:30PM CST** for assistance.

Grill Installation Codes

The 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.



Hardware Pack Parts List for Models OD3208SLP & OD3208SNG

PART #	PART DESCRIPTION	QTY	PURPOSE OF PART
P06030008A	Hardware Pack	1	For use in assembly of Models OD3208SLP
P06030009A	Hardware Pack	1	For use in assembly of Models OD3208SNG
S182G03061	Pan Head Screw 3/16"x3/8"	4	Install the Rear Trim Panel (For OD3208SLP/NG Models)
S182G03061	Pan Head Screw 3/16"x3/8"	2	Install the Control Box (For OD3208SLP/NG Models)
S182G03061	Pan Head Screw 3/16"x3/8"	2	Install the Regulator Bracket (For OD3208SLP Model)
S182G0306A	Pan Head Screw 3/16"x3/8"	3	Install Tank Tray Set (For OD3208SLP Model)

Hardware Pack Diagram List for Models OD3208SLP & OD3208SNG



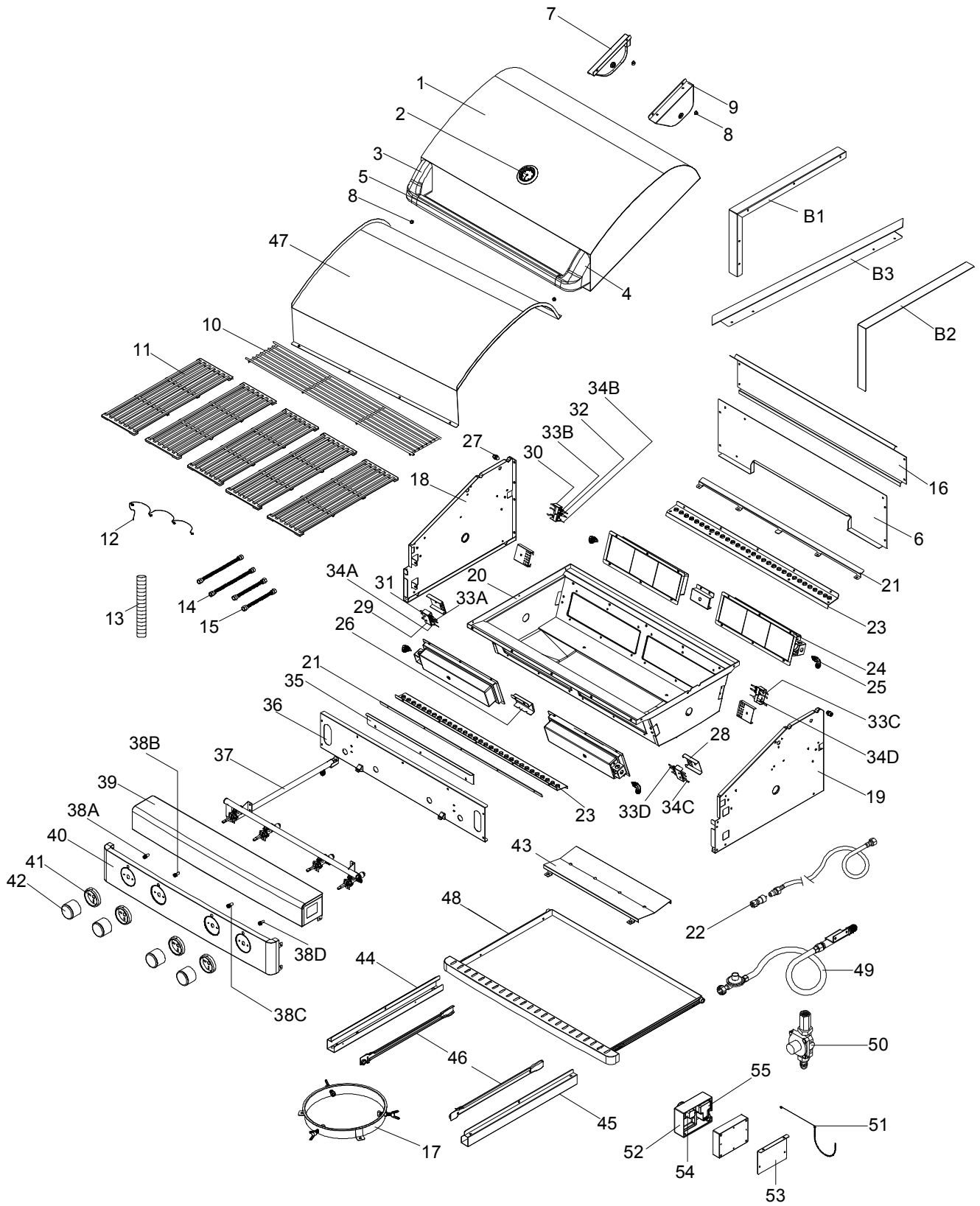
Pan Head Screw 3/16"x3/8"
 Qty. 8 (For OD3208SLP Model)
 Qty. 6 (For OD3208SNG Model)
 Part # S182G03061



Pan Head Screw 3/16"x3/8"
 Qty. 3 (For OD3208SLP Model)
 Part # S182G0306A

* One Battery/AA and Four Batteries/AAA included in the Hardware Pack.

Parts Diagram for Models OD3208SLP & OD3208SNG



Parts List for Models OD3208SLP & OD3208SNG

KEY	DESCRIPTION	PART#	QTY
1	Lid Assembly	P0014734AA	1
2	Temperature Gauge	P00601381A	1
3	Lid Handle Bracket, Left	P00307028E	1
4	Lid Handle Bracket, Right	P00308028E	1
5	Lid Handle	P00215036H	1
6	Bowl Panel, Rear/Lower	P0075803BC	1
7	Lid Assembly Bracket, Left	P03320007C	1
8	Protective Pad	P05518002I	4
9	Lid Assembly Bracket, Right	P03320008C	1
10	Cooking Rack/Secondary	P015160282	1
11	Cooking Grid	P01615038H	5
12	Electric Wire Set	P02627007A	1
13	Electric Wire Protector	P055330043	1
14	Connection Hose - Long	P03702037D	2
15	Connection Hose - Short	P03702038D	2
16	Bowl Panel, Rear/Upper	P0073738BC	1
17	Tank Tray Set (LPG)	Y0340050	1
18	Bowl Side Panel, Left	P0072094EC	1
19	Bowl Side Panel, Right	P0072195EC	1
20	Bowl	P0071367EC	1
21	Grease Shield, Upper	P06902126C	2
22	Hose, 12 FT (NG), 3/8" ID	P03703001A	1
23	Grease Shield, Lower	P06902127C	2
24	Infrared Burner Assembly	P02005024B	4
25	Extension Fitting for Manifold with Orifice (LPG)	P06539032A	4
	Extension Fitting for Manifold with Orifice (NG)	P06539033A	4
26	Cross Lighting Channel	P02212377A	2
27	Lid Hinge with Nut	P05501136L	2
28	Thermocouple Protector	P03343017C	4
29	Thermocouple Bracket	P03327082C	2
30	Thermocouple Bracket	P03327083C	2
31	Thermocouple for Gas Valve	P05305054B	2
32	Thermocouple for Gas Valve	P05305055B	2
33A	Thermocouple for LED Light, Left Front	P05305056B	1
33B	Thermocouple for LED Light, Left Rear	P05305057B	1
33C	Thermocouple for LED Light, Right Rear	P05305058B	1
33D	Thermocouple for LED Light, Right Front	P05305059B	1
34A	Electrode, Left Front	P02618046A	1
34B	Electrode, Left Rear	P02618047A	1
34C	Electrode, Right Front	P02618048A	1
34D	Electrode, Right Rear	P02618049A	1
35	Control Panel Heat Shield Bracket	P0300612FD	1
36	Control Panel Heat Shield	P0300818AA	1
37	Gas Valve/Manifold Assembly (LPG)	Y0060679	1
	Gas Valve/Manifold Assembly (NG)	Y0060680	1
38A	LED Light with Wire - A	P02615155A	1
38B	LED Light with Wire - B	P02615156A	1
38C	LED Light with Wire - C	P02615157A	1
38D	LED Light with Wire - D	P02615158A	1
39	Bowl Front Trim Plate Assembly	P02915341S	1
40	Control Panel	P02915293X	1
41	Control Knob Seat	P03439014A	4
42	Control Knob	P03436053V	4
43	Grease Tray Heat Shield	P06903069C	1

Parts List for Models OD3208SLP & OD3208SNG

KEY	DESCRIPTION	PART#	QTY
44	Grease Tray Slide Bracket - Left	P03328069C	1
45	Grease Tray Slide Bracket - Right	P03328070C	1
46	Grease Tray Slide Set	P05516140M	1
47	Lid Trim Plate	P0014735QJ	1
48	Grease Tray	Y0270020	1
49	Regulator with Hose and Connector (LPG)	Y0080036	1
50	Regulator (NG)	P03614005C	1
51	Lighting Stick	P05507140M	1
52	Control Box	P05545005M	1
53	Control Box Bracket	P03343022C	1
54	LED Light Controller	P05357013B	1
55	Electric Ignitor, 4-Port	P02502344C	1
B1	Trim Panel, Left	P07901033D	1
B2	Trim Panel, Right	P07901034D	1
B3	Trim Panel, Rear	P07901035D	1
	Hardware Pack (LPG)	P06030008A	1
	Hardware Pack (NG)	P06030009A	1
	Operator's Manual	P80151095C	1

For the repair or replacement parts you need:
Call 1-877-934-7455 M-F 8AM-4:30PM CST

To obtain the correct replacement parts for your gas grill, please refer to the part numbers in this parts list. The following information is required to ensure you receive the correct parts:

1. Model and Serial Number (see CSA label on grill)
2. Part Number
3. Part Description
4. Quantity of parts needed

Important: Use only Grand Hall replacement parts. The use of any part that is not a Grand Hall replacement part can be dangerous and will also void your product warranty. Keep this Operator's Manual for convenient referral and for part replacement.

Assembly Instructions

CAUTION : While it is possible for one person to assemble this grill, obtain assistance from another person when handling some of the larger, heavier pieces.

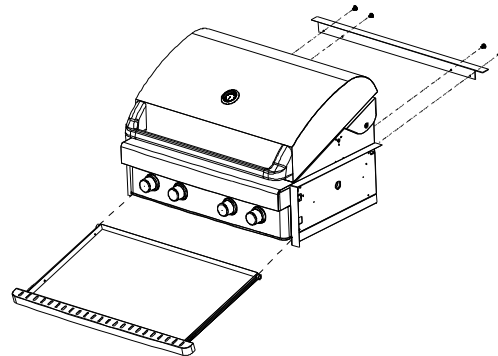
CAUTION: Build your grill island before installing the LP Gas Tank and Partition Panel (Not included in this unit). Refer to the heights listed in Fig. 4 for constructing your grill island. Make sure a set of doors is installed in your Island so that the Control Box can be accessed. An island unit is not included with the purchase of your Grill Head.

1 Install Trim Panel, Rear onto Grill Head and Grease Tray

- Install the Trim Panel, Rear onto the Bowl Panel, Rear/Lower using 4 Pan Head Screws 3/16"x3/8" as shown in diagram.
- Slide the side tabs of the Grease Draining Tray over the rails underneath the Grill Bowl as shown.



Pan Head Screw
3/16"x3/8"
Qty. 4
Part # S182G03061

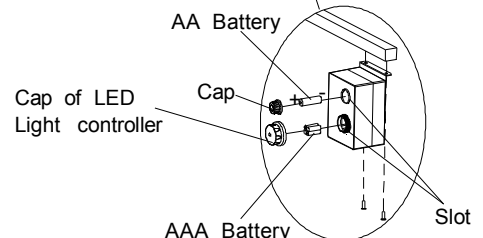
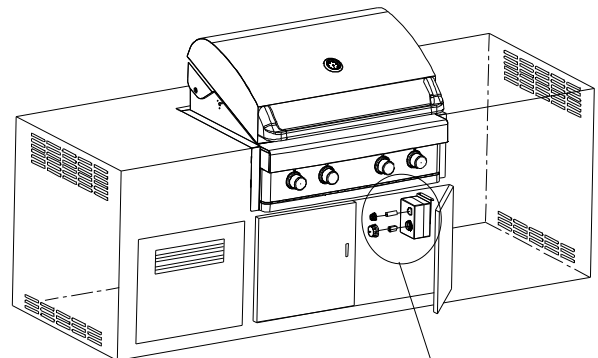
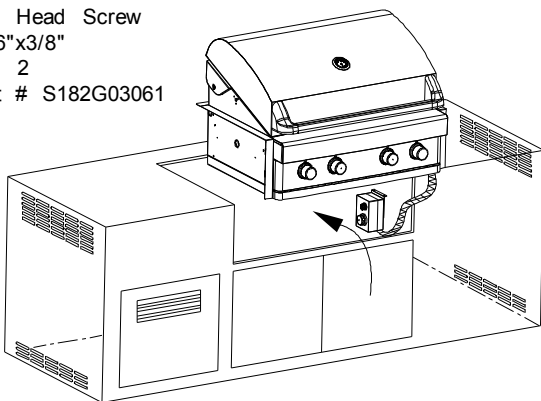


2 Set Grill Head into the Island. Install Control Box and Batteries

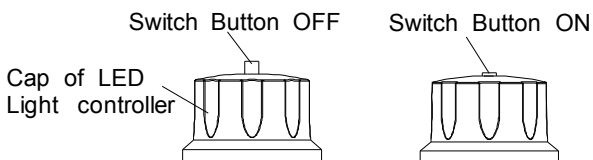
- Raise the Grill Head and put the Control Box to the inside of the Island, then set Grill Head into the Island (not included in this unit) as shown.
- Open your Island Right Door, align the Control Box onto the right underside of the Grill Head (see diagram). Install 2 Pan Head Screws 3/16"x3/8" and tighten securely. Remove Caps from Control Box.
- Place 1 AA and 4 AAA batteries into the slots of the Control Box as shown below. (Note: The positive pole of the AA battery must face towards the cap. For the AAA batteries, 2 batteries must have the positive pole facing towards the cap and 2 batteries must have the negative poles facing away from the caps.)
- Position the caps onto the slots, and tighten them onto the Control Box.



Pan Head Screw
3/16"x3/8"
Qty. 2
Part # S182G03061



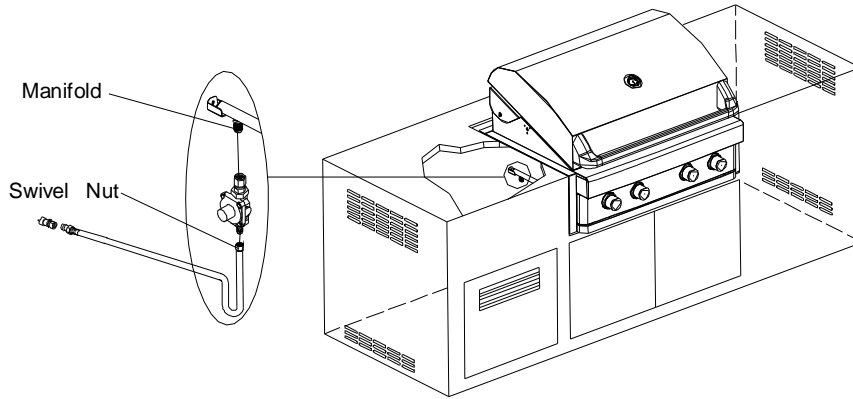
Note: Press the Switch Button to turn on the LED Light Controller before using the grill. Press it again to turn off the LED Light Controller to save battery power when the grill is not in use.



3

Install NG Regulator Assembly (For OD3208SNG Model)

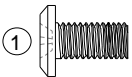
- Install NG Regulator Assembly onto the Manifold.
- Connect the Swivel nut of the 12" Natural Gas Hose onto the vertical fitting of the NG Regulator.



4

Install LP Gas Tank (For OD3208SLP Model)

- Install the Bracket with Regulator onto the Island Side Panel using 2 Pan Head Screws 3/16"x3/8".
- Install the Stainless Steel Tube (not included in this unit) onto the manifold. Next, insert the other end of the Stainless Steel Tube through the hole on the Island Side Panel. Install the Stainless Steel Tube onto the male fitting of the Bracket.
- Install the Tank Tray Set onto the Island Bottom Panel. Secure the Tank Tray set by installing 3 Pan Head Screws 3/16"x3/8" as shown in Fig. 3. Place the LP Gas Tank into the Tank Tray. Make sure the Tank Valve faces the right corner of the cabinet. Tighten the Wing Bolt to secure the LP Gas Tank.
- Install the LP Regulator onto the LP Gas Tank.



Pan Head Screw
3/16"x3/8"
Qty. 2 (For OD3208SLP Model)
Part # S182G03061



Pan Head Screw
3/16"x3/8"
Qty. 3 (For OD3208SLP Model)
Part # S182G0306A

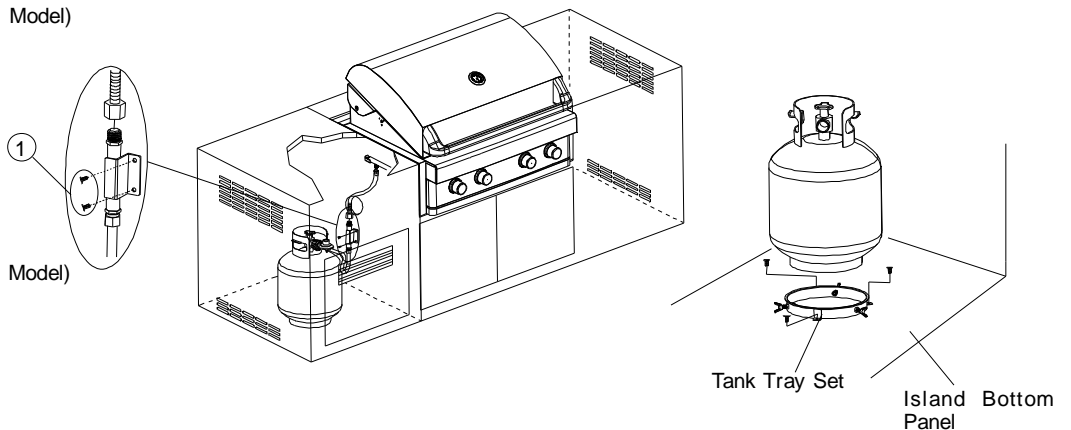


Fig. 3

5 Install Partition Panel (For OD3208SLP Model)

- Install the Partition Panel (not included in this unit) onto the left island. Make sure there is 22-24" of clearance between the Partition Panel and the Tank Tray Set.

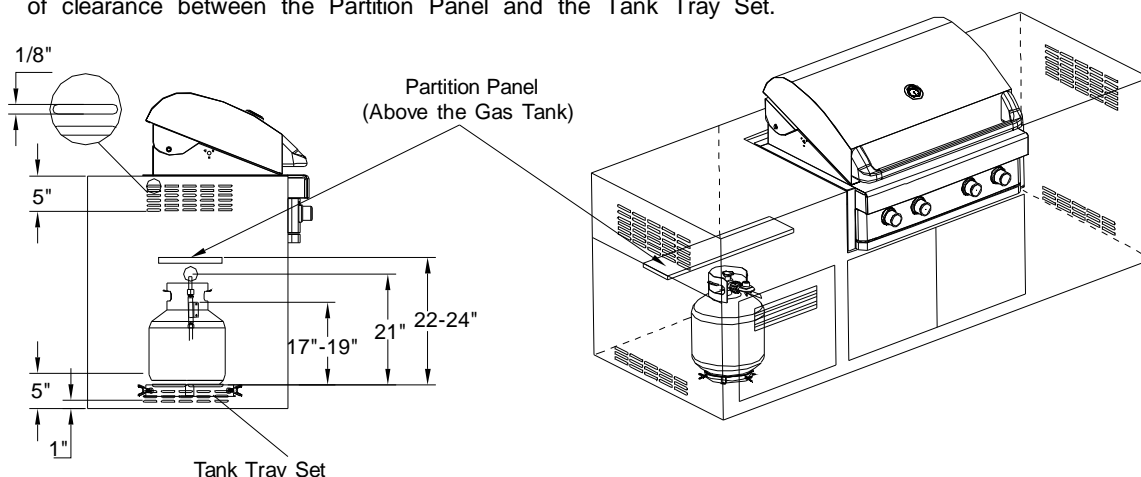
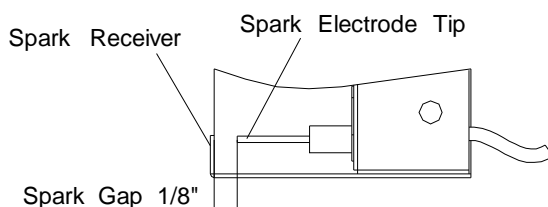


Fig. 4

6 Main Burners Electrode Check. Perform this Electrode Check with the Assistance of Another Person

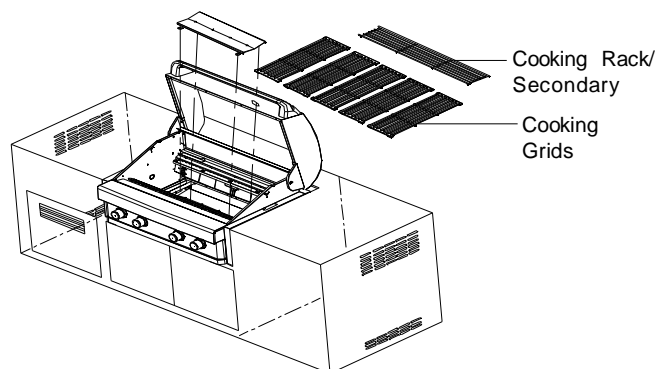
This test will ensure that the Spark Electrode Tips are properly positioned so your grill lights easily and properly.

- Be sure all Control Knobs are set to "OFF" and open the Grill Lid.
- Have your assistant stand behind you to the right of the grill and look at both the front and rear burner locations of the grill bowl. **Never** put your face inside the Grill Bowl.
- Turn any of the Main Burner Control Knobs to ⚡ and push in. Have your assistant watch for a blue spark within each Ignition Electrode.
- If no spark is seen, the Spark Gap needs to be adjusted as follows:
 - If the gap between the Spark Electrode Tip and Receiver is more than 1/8" wide, use needle nose pliers to gently squeeze the Electrode to narrow gap. Try the Electrode Check again. If no "clicking" sound is heard:
 - AA Battery may be installed backwards.
 - Electric wires may be loose. Remove the AA Battery and inspect the Ignitor Junction Box found in the Control Box and reconnect any loose wires.



7 Install Grease Tray Heat Shield and Cooking Components

- Install the Grease Tray Heat Shield by placing the 4 pins on the Grease Tray Heat Shield into the 4 Holes in the Grill Bowl.
- Place Cooking Grids on bowl ledge.
- Place the Secondary Cooking Rack into the slots on Grill Bowl Side Panels.



Final Grill Assembly Step

When you have finished assembling your grill, be sure that all screws are tightened for safe operation of your grill.

Before each use of the grill, the Grease/Water Tray should be filled approximately 1/2 full with water and fully seated under the grill bowl.

CAUTION: The Grease/Water Tray should be inspected before each grill use to be sure there is no excessive grease buildup. Clean the Tray frequently to eliminate grease build-up and to prevent grease fires.

LP Gas Tank Installation

CORRECT LP GAS TANK USE

- LP Gas grill models are designed for use with a standard 20 lb. Liquid Propane Gas (LP Gas) tank, not included with grill. **Never** connect your gas grill to an LP Gas tank that exceeds this capacity. A tank of approximately 12 inches in diameter by 18-1/2 inches high is the maximum size LP Gas tank to use. **You must use an "OPD" gas tank which offers a listed Overfill Prevention Device.** This safety feature prevents the tank from being overfilled which can cause a malfunction of the LP Gas Tank, regulator, and/or grill.
- The LP Gas tank 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 Transportation of Dangerous Goods; and Commission, as applicable.
- The LP Gas tank must have a shutoff valve, terminating in an LP Gas supply tank valve outlet, that is compatible with a Type 1 tank connection device. The LP Gas tank must also have a safety relief device that has a direct connection with the vapor space of the tank.
- The tank supply system must be arranged for vapor withdrawal.
- The LP Gas tank must have a collar to protect the tank valve.
- Never** connect an unregulated LP gas tank to your gas grill. The gas regulator assembly supplied with your gas grill is adjusted to have an outlet pressure of 11" water column (W.C.) for connection to an LP gas tank. Only use the regulator and hose assembly supplied with your gas grill. **Replacement regulators and hose assemblies must be those specified by Grand Hall.**
- Have your LP Gas dealer check the release valve after every filling to ensure it remains free of defects.
- Always keep LP Gas tank in upright position.
- Do not subject the LP Gas tank to excessive heat.
- Never store an LP Gas tank indoors. If you store your gas grill in the garage **always** disconnect the LP Gas tank first and store it safely outside.
- LP Gas tanks must be stored outdoors in a well-ventilated area and out of the reach of children.
- Disconnected LP Gas tanks must not be stored in a building, garage or any other enclosed area.
- The regulator and hose assembly can be seen after opening the island doors and must be inspected before each use of the grill. If your regulator and hose are damaged in any way, they must be replaced prior to using the grill again.
- Any attempt to convert the grill from one fuel type to another is extremely hazardous and will void your warranty.
- Never** light your gas grill with the lid closed or before checking to ensure the burners are fully seated over the gas valve orifices.

- Never** allow children to operate your grill. Do not allow children or pets to play near your grill. Always supervise children and pets if they are in the vicinity of the unit.
- Use of alcohol, prescription or non-prescription drugs can impair your ability to properly assemble and safely operate your grill.
- Keep fire extinguisher readily accessible. In the event of a oil/grease fire, do not attempt to extinguish with water. Use type B extinguisher or smother with dirt, sand or baking soda.
- In the event of rain, turn off the burners and gas supply. Wait for the grill to cool, and then place a cover on it.
- Use your grill on a level, stable surface in an area clear of combustible materials.
- Do not leave grill unattended when in use.
- Do not move the appliance when in use.
- Allow the grill to cool before moving or storing.
- Do not use your grill as a heater.
- This grill is not intended to be installed in or on recreational vehicles and/or boats.
- The grill is not intended for commercial use.
- Never use charcoal or lighter fluid in this gas grill.

⚠
WARNING
⚠

A. Do not store a spare LP-Gas tank under or near this appliance.

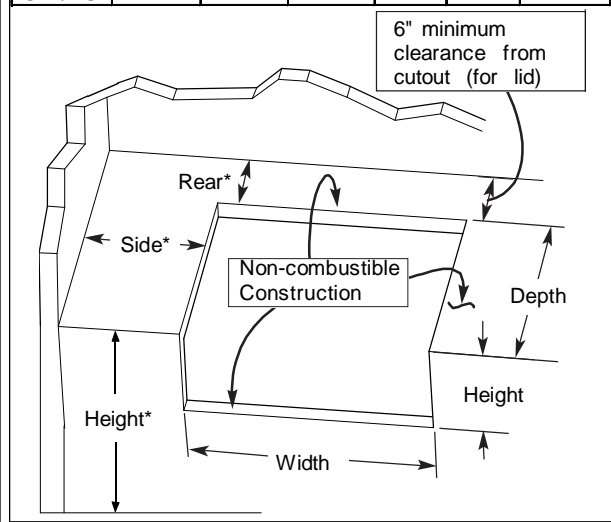
B. Never fill the tank beyond 80 percent full; and

C. If the information in "(a)" and "(b)" is not followed exactly, a fire causing death or serious injury may occur.

⚠
WARNING
⚠

Refer to this table when designing the island unit for the OD3208SLP/NG. Side* and Rear* show the minimum amount of distance the unit must be from combustibles (ex. Vinyl or wood siding, fences and overhangs) or sources of ignition (ex. Pilot lights on water heaters and live electrical appliances). Height* shows the minimum height the island unit must be starting from the ground up.

Model	Height	Width	Depth	Side*	Rear*	Height*
OD3208 SLP/NG	10-3/4"	33-5/8"	21"	14"	24"	29"



USE AND CARE INSTRUCTIONS

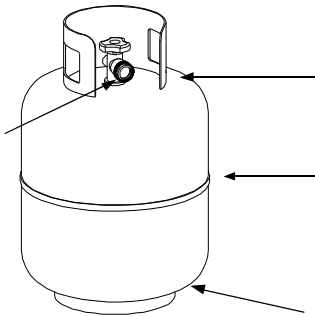
NOTE about LP Gas Tank Exchange Programs

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

How to Leak Test your LP Gas Tank

For your safety:

- All leak tests must be repeated each time your LP Gas tank is exchanged or refilled.
- When checking for gas leaks do not smoke.
- Do not use an open flame to check for gas leaks.
- Your grill must be leak tested outdoors in a well-ventilated area, away from ignition sources such as gas fired or electrical appliances. During the leak test, keep your grill away from open flames or sparks.
- Do not use household cleaning agents. Damage to gas assembly components can result.
 - ☞ Use a clean paintbrush and a 50/50 mild soap and water solution.
 - ☞ Brush soapy solution onto LP Gas tank in the areas indicated by the arrows. See diagram.
 - ☞ If growing bubbles appear do not use or move the LP Gas tank. Call an LP Gas Supplier or your Fire Department.



Secure a 20lb LP Gas Tank to Gas Grill

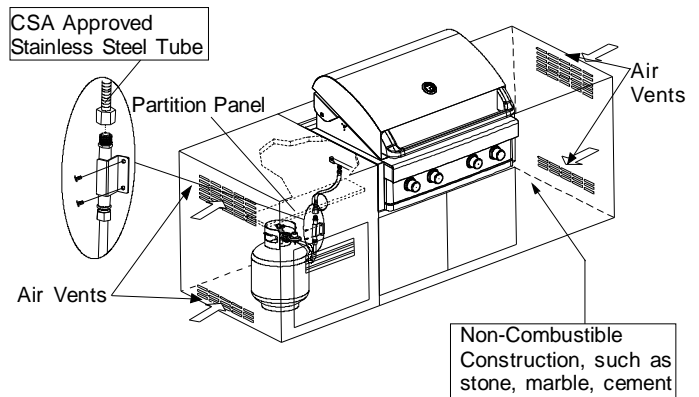
Note: You can only use 20lb LP Gas Tank in this Gas Grill.

NOTE: When using Liquid Propane (LP), EXTREME CAUTION should be used to provide ample ventilation of vapor from the enclosure. LP gas vapor is heavier than air and SERIOUS INJURY from a DANGEROUS EXPLOSION could occur if LP gas is allowed to accumulate in an enclosure and then ignited. Both the Barbecue enclosure and LP cylinder enclosure require venting that must be provided at the floor level of the enclosure to allow any leaking LP gas vapor to escape (see Fig.6).

NOTE: When installing a barbecue equipped for liquid propane (LP) in an island, the LP tank must be in a separate enclosure that is completely isolated from the barbecue. It must be cross-ventilated in accordance with local codes. The LP tank MUST NEVER be installed directly under the barbecue.

NOTE: Each upper ventilation opening must be a minimum of 20 sq in. Each lower ventilation opening must be a minimum of 10 sq. Upper and lower ventilation openings MUST BE PROVIDED on both sides of built-in construction. The top of the upper ventilations opening must be located within 5" from the top of the island. The bottom of the lower ventilation openings must at least 1" or less from the floor of the island. The top of the lower ventilation openings cannot be more than 5" from the floor of the island. Every ventilation opening must be a minimum of 1/8". (See Fig. 4 on page 9). Please ask a Grand Hall associate for full details.

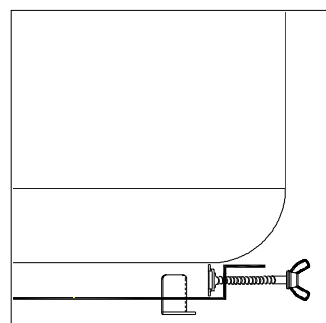
Fig. 6



WARNING

If growing bubbles appear do not use or move the LP Gas tank. Contact an LP Gas Supplier or your fire department!

Note: The built-in appliance for use with a remote self-contained LP Gas supply system must use rigid pipe, semi-rigid tubing or a connector complying with the Standard for Connections for Gas Appliance, ZNSI Z21.24/CSA 6.10



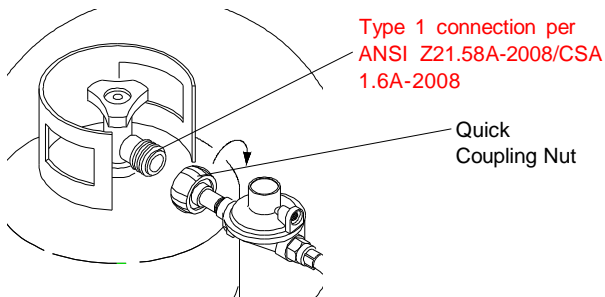
The Wing Bolt holds the Tank Foot in place.

USE AND CARE INSTRUCTIONS

LP Gas Model only:

Connect Regulator with Hose to your LP Gas Tank

- Turn all Burner Valves to the OFF position.
- Inspect the valve connection port and regulator assembly for damage or debris. Remove any debris. Never use damaged or plugged equipment.
- Connect the regulator assembly to the tank valve and **HAND TIGHTEN** nut clockwise to a full stop. **DO NOT** use a wrench to tighten because it could damage the Quick Coupling Nut and result in a gas leak/fire hazard.
- Open the tank valve (counterclockwise) 1/4 to 1/2 of a full turn, and use a soapy water solution to check all connections for leaks before attempting to light your grill. See "**Check all connections for LP Gas Leaks**". If a leak is found, turn the tank valve off and do not use your grill until the leak is repaired.



CAUTION: When the appliance is not in use the gas must be turned off at the tank. 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 you have a gas leak that cannot be repaired by tightening, turn off the gas at the source, disconnect fuel line from your grill and call 1-877-934-7455 or your gas supplier for repair assistance.

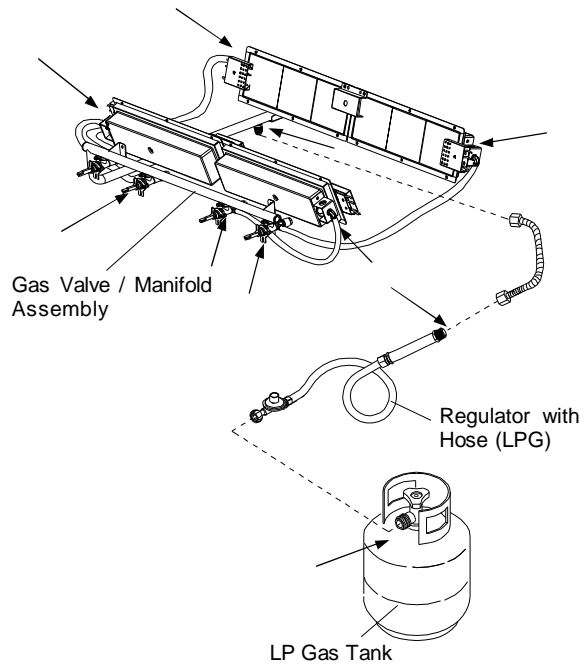


1. Do not store spare LP cylinder within 10 feet (3m) of this appliance.
2. Do not store or use gasoline or other flammable liquids and vapors within 25 feet (8m) of this appliance.
3. When cooking with oil/grease, do not allow the oil/grease to get hotter 350°F (177°C)
4. Do not leave oil/grease unattended.

Check all connections for LP Gas Leaks

Never test for leaks with an open flame. Prior to first use, at the beginning of each season, or every time your LP Gas tank is changed, you must check for gas leaks. Follow these three steps:

- Make a soap solution by mixing one part liquid detergent and one part water.
- Turn the grill Control Knobs to the full OFF position, then turn the gas ON at source.
- Apply the soap solution to all gas connections indicated by the arrows. See diagram. If bubbles appear in the soap solution the connections are not properly sealed. Check each fitting and tighten or repair as necessary.



Disconnecting A Liquid Propane Gas (LPG) Tank From Your Grill

- Make sure the Burner Valves and LP Gas tank valve are off. (Turn clockwise to close.)
- Detach the hose and regulator assembly from the LP Gas tank valve by turning the Quick Coupling Nut counterclockwise. Do not use a wrench or any tools when turning the Quick Coupling Nut.



Failure to read and follow the Use and Care Instructions could result in a fire or explosion that could cause serious bodily injury, death or property damage.

Natural Gas Connection

Natural Gas Model only:

Connecting Natural Gas To Your Grill

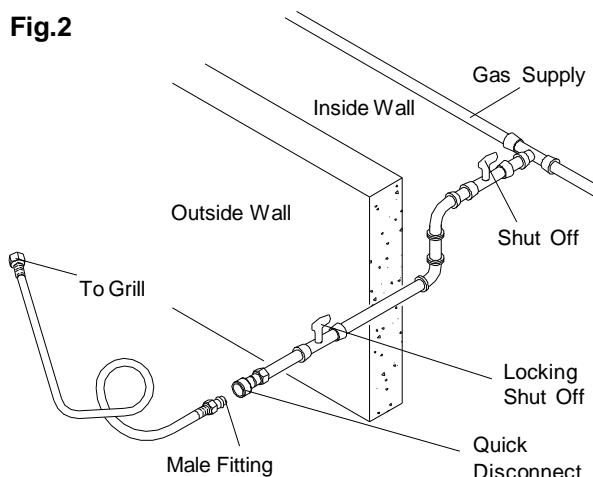
- Connect the Swivel nut of the 12' Natural Gas Hose to the horizontal fitting of NG Regulator as shown in **Fig.1**. Connect the other hose end (male plug) to the gas supply line from your home. Read and follow the "Natural Gas Safety Instructions" below.

Natural Gas Safety Instructions

- Your natural gas grill is designed for use with natural gas (NG) only. The gas pressure Regulator supplied with this appliance **must** be installed and used on your grill. The unit and Regulator are set to operate with an outlet pressure of 4" W.C.
- Install a Shutoff Valve at the gas supply source outdoors at a point after the gas pipe exits the outside wall and before the quick-disconnect hose. Or install it at the point before the gas line piping enters the ground. See **Fig. 2**.
- Pipe sealing compound or pipe thread tape resistant to the action of natural gas must be used on all male pipe thread connections.
- Disconnect your gas grill from fuel source when the gas supply is being tested at high pressures. This gas grill and its individual shutoff valve must be disconnected from the gas supply pipe system during any pressure testing of that system at pressure in excess of 1/2 psi (3.5kpa).
- Turn off your gas grill when the gas supply is being tested at low pressures. The grill must be isolated from the gas supply pipe system by closing its individual manual shutoff valve during any pressure testing of the gas supply pipe system at pressures equal to or less than 1/2 psi (3.5kpa).
- 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 it is disconnected.
- The Quick Disconnect fitting can be installed horizontally or pinpointing downward. **DO NOT** install the fitting with the opening pointing upward because the fitting could collect water and debris.
- The Dust Covers (plastic plugs) provided with the Quick Disconnect Hose help keep the open ends clean while disconnected.

WARNING: Do not route the 12 Foot Quick Disconnect Hose under a deck. The hose must be visible and inspected prior to each grill use.

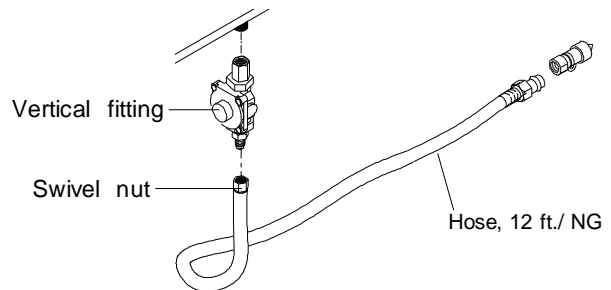
Fig.2



Gas Line Piping:

- If the length of 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 must be copper tubing, type K or L; polyethylene plastic tube, with a minimum wall thickness of 0.62 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.

Fig.1

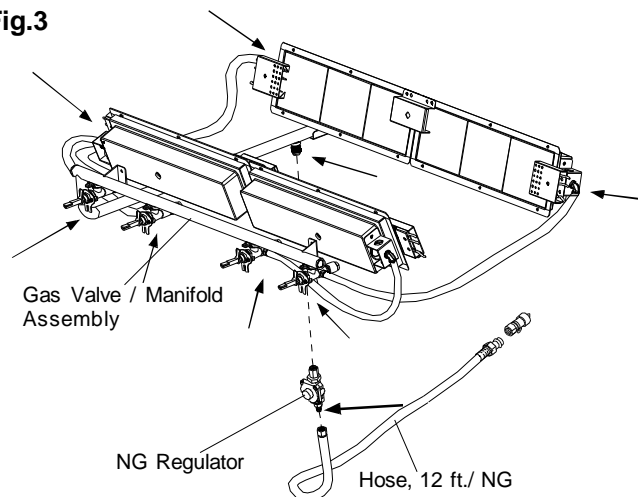


Check all connections for Natural Gas Leaks

Never test for leaks with an open flame. Prior to first use and at the beginning of each season, you must check for gas leaks. Follow these three steps:

- Make a soap solution by mixing one part liquid detergent and one part water.
- Turn the grill Control Knobs to their full OFF positions. Next, turn the gas ON at the source.
- Apply the soap solution to all gas connections indicated by the arrows. See **Fig.3**. If bubbles appear in the soap solution the connections are not properly sealed. Check each fitting and tighten or repair as necessary.

Fig.3



USE AND CARE INSTRUCTIONS

Grill Lighting Instructions

1. Before each use, check all hoses for cracks, nicks, cuts, burns, or abrasions. If a hose is damaged in any way, do not use your grill before replacing the hose with an authorized part from the Parts List. Also make sure all gas supply connections are securely tightened.
2. Familiarize yourself with the Safety and Use and Care instructions in this Guide. Do not smoke while lighting grill or checking gas supply connections.
3. Be sure the LP Gas tank is filled, and lock Casters to prevent movement during grill operation.
4. Open the Grill Lid.

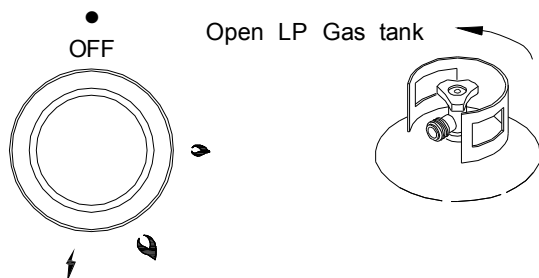


WARNING

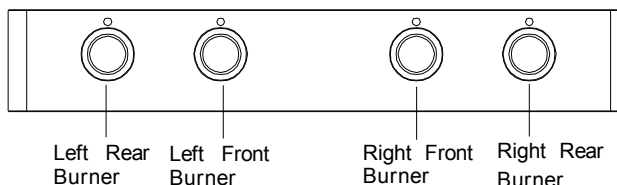
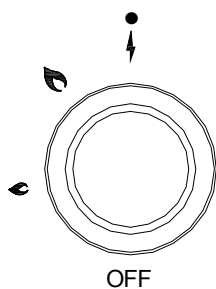


Failure to replace a faulty hose, secure gas supply connections or to open the Lid before proceeding to the Lighting Procedures could result in a fire or explosion that could cause serious bodily injury, death, or property damage.

5. Set Control Knobs to OFF and open the LP Gas tank valve **SLOWLY 1/4 of a full turn**. For Natural Gas open the Shut Off Valve at the source.



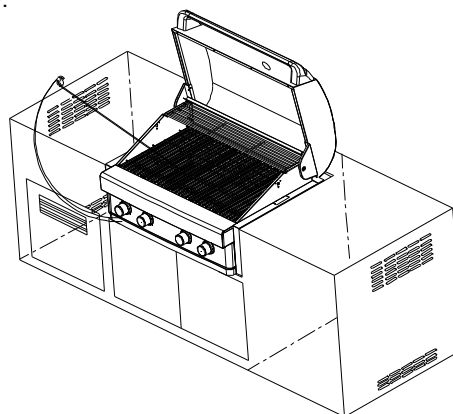
6. Push and turn the control knob to ⚡ and hold it in 3~5 seconds to ignite the Burner. Once the burner is ignited continue to depress the knob and rotate to 🔥. Hold the knob until burner indicator light turns on then release it.



7. If ignition does not occur in 5 seconds, turn gas off at source and turn Control Knobs OFF. Wait at least 5 minutes for gas to clear, then retry. If your grill still fails to light turn the burner Control Knob(s) and gas source OFF and conduct a leak test of ALL gas connections and gas sources as explained in the Use and Care section of this guide. If no leaks are detected, wait 5 minutes for any gas to clear and repeat the lighting procedure.
8. If the burner indicator light does not work, check the batteries.
9. After one Burner is lit, turn the tank valve SLOWLY one more 1/4 of a turn.
10. To light more burners, turn each burner knob to ⚡, then back to 🔥.

Manually Lighting Your Grill By Paper Match

To light your gas grill by match, insert a match into the Lighting Stick and follow steps 1 through 5 of the Grill Lighting Instructions. Then, light the match and place Lighting Stick through the Cooking Grid on the grill as shown below. Turn the nearest Control Knob to the 🔥 setting to release gas. The Burner should light immediately.



Note: Island is shown for illustrative purposes only. Island is not included with grill unit.



NOTE



Replace the batteries when low battery as noted below:

1. If LED burner indicator light does not work when burner is lit.
2. If any of the LED indicator(s) is lit when its related burner is in "OFF" position.

USE AND CARE INSTRUCTIONS

Troubleshooting

If the grill fails to light :

1. Turn gas off at source and turn Control Knobs to OFF. Wait at least 5 minutes for gas to clear, then retry.
2. If your grill still fails to light, check gas supply and connections.
3. Repeat lighting procedure. If your grill still fails to operate, turn the gas off at source, turn the Control Knobs to OFF, then check the following:

- Obstruction in gas line
Correction: Remove regulator hose from grill. Do not smoke! Open gas supply for one second to clear any obstruction from fuel line. Close off gas supply at source and reconnect fuel line to grill.
- Disconnected Electric Wires
Correction: Inspect the Electric Ignitor (see Parts List) found in the Control Box. Connect loose Electric wires to Junction Box and try to light the grill.
- Weak AA or AAA Battery
Correction: Remove the Ignitor Cap and replace the battery.
- If the grill still does not light you may need to purge air from the gas line or reset the regulator excess gas flow device. **Note:** This procedure should be done every time a new LP Gas tank is connected to your grill.



WARNING



Never lean over the grill cooking area while lighting your gas grill. Keep your face and body a safe distance (at least 18 inches) from the front of grill when lighting your grill by match.

To purge air from your gas line and/or reset the regulator excess gas flow device:

- Turn Control Knobs to the OFF position.
- Turn off the gas at the tank valve.
- Disconnect regulator from LP Gas tank. For Natural Gas disconnect regulator from 12 ft. Natural Gas Hose.
- Let unit stand 5 minutes to allow air to purge from gas line.
- Reconnect regulator to the LP Gas tank. For Natural Gas reconnect regulator to 12 ft. Natural Gas Hose.
- Turn tank valve on SLOWLY 1/4 of a turn. For Natural Gas open Shut Off valve.
- Open the Grill Lid.
- Push and turn the Control Knob to ⚡ and hold it in 3-5 seconds to ignite the burner.



WARNING



Should a FLASHBACK fire occur in or around the Burners, follow the instructions below. Failure to comply with these instructions could result in a fire or explosion that could cause serious bodily injury, death, or property damage.

- Y Shut off gas supply to the gas grill.
- Y Turn the Control Knobs to OFF position.
- Y Open the Grill Lid.
- Y Put out any flame with a Class B fire extinguisher.

GRILL INFORMATION CENTER

Call 1-877-934-7455 Monday - Friday 8:00am-4:30pm CST

CLEANING AND MAINTENANCE

Proper care and maintenance will keep your grill in top operating condition and prolong its life. Follow these cleaning procedures on a timely basis and your grill will stay clean and operate with minimum effort.

CAUTION: Be sure your grill is OFF and cool before cleaning.

Cleaning The Cooking Grids

- Before initial use and periodically thereafter, wash your Cooking Grids in a mild soap and warm water solution. You can use a wash cloth or vegetable brush to clean your cooking grids.

Cleaning The Grease/Water Tray

- To reduce the chance of fire, the Grease/Water Tray should be visually inspected before each grill use. Remove any grease and wash Grease/Water Tray with a mild soap and warm water solution.

Cleaning the Inside of the Grill Lid

- Grease can build up on the inside of the Grill lid over time. This grease can drip onto your deck or patio when the lid is opened. Visually inspect the inside of the Grill Lid before each grill use. Remove any grease and wash with a mild soap and warm water solution.

Routine Cleaning of The Grill Interior

- Burning-off excess food after every cookout will keep it ready for instant use. However, at least every 3 months you must give the entire grill a thorough cleaning to minimize your risk of grease fire and keep the grill in top shape. Follow these steps:
 1. Turn all Burner Knobs to the full OFF position.
 2. Turn the LP gas tank valve to the full OFF position.
 3. Disconnect the regulator from the gas tank. Inspect the hose with regulator assembly for cracking, cuts or any other damage, and replace as necessary. Refer to the Parts List in this Operator's Manual.
 4. Remove and clean the Cooking Grids and Secondary Cooking Rack.
 5. Brush the inside and bottom of the grill with a fiber pad or nylon brush and wash with a mild soap and warm water solution. Rinse thoroughly and let dry.
 6. Check each Spark Electrode, adjusting as needed. The space between the Spark Electrode Tip and Spark Receiver should be approximately 1/8" (3.2mm).
 7. Replace the Cooking Grids and Secondary Cooking Rack.
 8. Reconnect the gas source and observe the Burner flame for correct operation.

Cleaning Exterior painted Surfaces:

Before initial use, and periodically thereafter, we suggest you wash your grill using a mild soap and warm water solution. You can use a wash cloth or sponge for this process. Do not use a stiff wire or brass brush. These will scratch stainless steel and chip painted surfaces (varies by model) during the cleaning process.



Cleaning Exterior Stainless Steel Surfaces:

- Routine care and maintenance is required to preserve the appearance and corrosion resistance of stainless steel. The fact is stainless steel can corrode, rust and discolor under certain conditions. Rust is caused when regular steel particles in the atmosphere become attached to the stainless steel surface. Steel particles can also become attached to your grill if you use steel wool or stiff wire brushes to clean the grill instead of non-abrasive cloth, sponge or nylon cleaning tools. In coastal areas rust pits can develop on stainless surfaces that cannot be fully removed. Bleach and other chlorine based solutions used for household and pool cleaning can also cause corrosion to stainless steel. Weathering, extreme heat, smoke from cooking and machine oils used in the manufacturing process of stainless steel can cause stainless steel to turn tan in color. Although there are many factors which can affect the surface appearance of stainless steel, they do not affect the integrity of the steel or the performance of the grill.

- To help maintain the finish of stainless steel follow these cleaning tips for the best results:

1. After every use (after your grill has cooled down), wipe stainless surfaces with a soft, soapy cloth or sponge then rinse with water. Be sure to remove all food particles, sauces or marinades from stainless steel because these can be highly acidic and damaging to stainless surfaces.
2. Never use abrasive cleaners, scrubbers or stiff wire brushes of any type on your grill.
3. Use a heat resistant Stainless Steel Cleaner and rub or wipe in the direction of the stainless steel grain or polish lines. Do not polish against the grain.

WARNING

Failure to comply with these instructions could result in a fire or explosion that could cause serious bodily injury, death or property damage.

Keep grill area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Do not obstruct the flow of air for combustion and ventilation.

Keep the ventilation openings of the tank enclosure cabinet free and clear of debris.

Visually check burner flames occasionally to ensure proper flame pattern as shown below.

MAGNIFIED VIEW OF INFRARED BURNER FLAME THROUGH OPEN LID.

Infrared Grill Cooking Instructions

Burn-Off

- Before cooking on your gas grill for the first time, you should "burn off" the grill to eliminate any odor or foreign matter. Ignite the burners, lower the Lid, and operate grill on 🔥 setting for 3 to 5 minutes.

CAUTION: Infrared cooking times will be much shorter than traditional grilling so never operate this appliance unattended.

Preheating

- To preheat, light your grill on 🔥, lower the Lid and follow this timetable.
- ℹ For searing and high temperature cooking, preheat grill 3 to 5 minutes.
- ℹ For low temperature cooking, preheat grill 3 minutes.
- ℹ To slow cook, preheating is not necessary.

Control Knob Settings

- High setting:** The 🔥 Control Knob setting should only be used to pre-heat your grill the first 3-5 minutes, for searing foods and for burning food residue off the grill for 3-5 minutes after cooking is complete.

CAUTION: Infrared cooking times will be much shorter than traditional grilling so never operate this appliance unattended.

- Low setting 🔥:** Most recipes specify the low setting for baking, roasting, rotisserie cooking and grilling delicate foods such as fish, vegetables and bread.

An Important Note About Infrared Heat Settings

- The suggested heat settings and cooking times shown in the following pages are approximate. Unlike the controlled environment inside your kitchen, variables including outside temperatures, direction and conditions of wind, as well as grill location will affect your grill's heat distribution. Because these conditions vary, and no two backyards are alike, we offer these tips as general guidelines for your reference. We recommend you monitor your grill closely and rotate foods often to prevent overcooking and ensure the most delicious results every time.
- ℹ The heat from the front and rear infrared burners overlap in the mid section of each cooking grid. This area offers the most intense heat for quickly locking in the natural juices and flavor of poultry and meats.
- ℹ The Secondary Cooking Rack offers less intense heat for preparing breads and firm vegetables like potatoes and corn.
- ℹ Infrared heat sears the food surface and cooks from the inside out. Infrared heat does not cook through aluminum foil and reflective pans. For roasting and baking you'll find a cast-iron pan works beautifully as it absorbs and conducts the infrared heat very well.

Direct Cooking

- The direct cooking method can be used with the food placed on the mid section of each cooking grid where the infrared heat is most intense. **Direct Cooking requires the Grill Lid to be open.** This method is ideal for searing and grilling as well as deep frying in a cast-iron pan or stir-frying in a steel wok.

Indirect Cooking



- To cook **indirectly**, the food should be placed on the left or right side of your grill (or Secondary Rack) with the Burners lit on the opposite side. Rotate the food as needed to ensure even browning. This is the slow cooking method. A faster indirect method is to place your food in an optional cast-iron cooking pan and place it in the center of the grill with all burners on LOW. Be sure to add liquid if using a pan to keep food moist. If higher heat is desired, turn Left Front (LF) and Right Rear (RR) burners on HIGH with Left Rear (LR) and Right Front (RF) burners on LOW to create a crossray cooking pattern. Either way, **indirect cooking must be done with the Lid down.**

Prepare Cooking Grids for Grilling

- Greasing the cooking surface will help keep foods from sticking during the cookout, produces beautiful sear marks and reduces the amount of cleanup required. Use a brush to apply a thin layer of cooking oil or vegetable shortening onto each Cooking Grid before each cookout. We do not suggest spray type oils unless they are specified for high-temperature cooking.

To Reduce Flare-Ups and Smoke

- Fat and juice dripping from grilled food can cause flare-ups and smoke. To minimize this, cook your food in the mid section of each cooking grid so drippings fall through the center of the grill into the Grease/Water Tray below.

 **WARNING** 

ℹ Failure to comply with these instructions could result in a fire or explosion that could cause serious bodily injury, death or property damage.

ℹ Never cover the cooking grids, bottom of grill bowl or Grease/Water Tray with charcoal, aluminum foil, and or any substance that can absorb grease.

ℹ **Before each use of your grill:** Pull out the Grease/Water Tray and remove all grease and food debris to prevent grease fire hazard. It is important to keep this Tray 1/2 filled with water while grilling to get the best possible results. Wear a flame retardant BBQ Mitt when handling the Grease/Water Tray.

ℹ **Use your grill at least 3 feet away from any wall or surface.** Use your grill at least **3 feet away** from combustible objects that can melt or catch fire (such as vinyl or wood siding, fences and overhangs) or sources of ignition including pilot lights on water heaters and live electrical appliances.

ℹ **Never** use your gas grill in a garage, porch, shed, breezeway or any other enclosed area.

ℹ **Your grill will get very hot.** Always wear a flame retardant BBQ Mitt when cooking on your grill and handling the Grease/Water Tray. Never lean over cooking areas while using grill. Do not touch cooking surfaces, Lid, grill housing or other parts while grill is in operation, or until the grill has cooled down after use. Be aware that the Tray does contain water and grease and be extremely careful when removing to prevent spillage.

Guide to Infrared Grilling using the Direct Cooking Method

Grilling Steak and Ribs

Fill Grease/Water Tray half-full. Turn the grill Burners on 🔥, close the Lid and preheat your grill 3 to 5 minutes. Open Lid and place food on the mid section of a Cooking Grid. Sear 2-3 minutes on each side then adjust the Infrared Burners to LOW and continue cooking until desired doneness. You can also move the seared meat to the Secondary Cooking Rack to finish cooking. This method allows you to sear and prepare larger amounts of meat and keep cooked food warm. Grilling times will vary according to meat thickness.

Cut of Meat

T-bone steak
Sirloin steak
Beef spare ribs
Porterhouse Steak
New York strip steak

Approx. Total Cooking Times

Rare: 4-6 minutes
Medium: 6-8 minutes
Well done: 8-10 minutes

Grilling Hamburgers, Brats and Sausages

Fill Grease/Water Tray half-full. Turn the grill Burners on 🔥, close Lid and preheat your grill 3 to 5 minutes. Open Lid and place food on the mid section of a Cooking Grid. Sear 2-3 minutes on each side then adjust the Infrared Burners to LOW and continue cooking until desired doneness. Grilling times will vary according to meat thickness.

Hamburgers
Brats
Sausages

Rare: 3-4 minutes
Medium: 5-6 minutes
Well done: 6-8 minutes

Grilling Poultry

Fill Grease/Water Tray half-full. Turn the grill Burners on 🔥, close Lid and preheat your grill 2 to 3 minutes. Open Lid and place food on the mid section of a Cooking Grid. Sear 2-3 minutes on each side then adjust the Infrared Burners to LOW and continue cooking until desired doneness.

Chicken breast
(cook with bone down)
Chicken wings
Drumsticks

Direct method:
approximately 6-8 minutes

Indirect method:
up to 30 minutes

To minimize flare-ups, use skinless poultry or use the indirect method. Place the poultry on one side of the grill with the opposing Burners on LOW heat, and lower the grill Lid.

Whole bird
(cook with breast up)

Indirect method:
approximately 1 hour

Grilling Pork

Fill Grease/Water Tray half-full. Turn the grill Burners on 🔥, close Lid and preheat your grill 3 to 5 minutes. Open Lid and place food on the mid section of a Cooking Grid. Sear 2-3 minutes on each side then adjust the Infrared Burners to LOW and continue cooking until desired doneness. Grilling times will vary according to meat thickness.

Chops
Loins
Cutlets

Medium: 10-12 minutes
Well done: 12-14 minutes

Whole Fish and Whole Fillets

Fill Grease/Water Tray half-full. Turn the grill Burners on 🔥, close Lid and preheat your grill 3 to 5 minutes. Open Lid and place food (skin down) on the mid section of a Cooking Grid. Sear 2 minutes on each side then adjust the Infrared Burners to LOW and continue cooking until fish is opaque but still moist.

Whole fish
Whole fish fillets

Approx. 8 - 18 minutes or
until fish is opaque

Vegetables and Fruit

Fill Grease/Water Tray half-full. Prepare your fruit or vegetables and brush with butter or basting sauce if desired. In some instances, you may want to grill vegetables and fruit **directly** over the heat, using the supplied Cooking Grids. Foods that work best with direct heat are relatively soft and require a short cooking time: mushrooms, zucchini, tomatoes and skewered fruit such as apricots, peaches, pineapple, strawberries and kiwis. Remember the **Grill Lid must remain up when cooking directly.**

For very firm vegetables—particularly potatoes and yams, we recommend that you partially boil until almost cooked, before placing them on the grill.

CAUTION: Infrared cooking times will be much shorter than traditional grilling so never operate this appliance unattended.

To cook **indirectly**, the food should be placed on the left or right side of your grill (or Secondary Rack) with the Burners lit on the opposite side. Either way, **indirect cooking must be done with the Lid down.**

NOTE: Do not use aluminum foil to wrap vegetables and fruit. Infrared heat does not cook through aluminum foil and reflective pans.

Guide to Roasting & Baking using the Indirect Cooking Method

An Important Note About Infrared Heat Settings

The suggested heat settings and cooking times shown are approximate. Unlike the controlled environment inside your kitchen, variables including outside temperatures, direction and conditions of wind, as well as grill location will affect your grill's heat distribution. Because these conditions vary, and no two backyards are alike, we offer these tips as general guidelines for your reference. We recommend you monitor your grill closely and rotate foods often to prevent overcooking and ensure the most delicious results every time.

Preparing to Roast

Roasting uses the **indirect cooking** method. Therefore, the food should be placed on the left or right side of your grill with the Burners lit on the opposite side. You can also use an optional cast-iron pan underneath food allowing you to collect juices for making gravies. Remember, indirect cooking requires the Lid of your grill to be down.

Fill Grease/Water Tray half-full. Preheating your grill is not required for slow cooking methods such as roasting. If you do choose to preheat your grill before roasting, turn the Burners on HIGH and close Lid for approximately 2 minutes.

Type of Food	How Cooked	Approximate Cooking Times
Beef	Rare	14 minutes per pound
	Medium	18 minutes per pound
	Well done	20 minutes per pound
Lamb	Medium	14 minutes per pound
	Well done	18 minutes per pound
Veal		22 minutes per pound
Pork		23-26 minutes per pound
Chicken		17-20 minutes per pound
Duck		20 minutes per pound
Fish		8 minutes per pound
Turkey, under 16 pounds		17-20 per pound + 20 minutes
Turkey, over 16 pounds		14-18 per pound + 10 minutes

BAKING TECHNIQUES

Preparing to Bake

To bake in your new grill you'll need a baking dish or cast-iron cooking pan, and a pair of flame retardant BBQ Mitts. If the cooking pan is cast-iron be sure to season the pan before use.

Fill Grease/Water Tray half-full. Preheat your grill 3 minutes, then lower heat as needed. Baking uses the **indirect cooking** method. To cook **indirectly**, the food should be placed on the left or right side of your grill with the Burners lit on the opposite side. This is the slow cooking method. A faster indirect method is to place your food in an optional cast-iron cooking pan and place it in the center of the grill with all burners on LOW. If higher heat is desired, turn Left Front (LF) and Right Rear (RR) burners on HIGH with Left Rear (LR) and Right Front (RF) burners on LOW to create a crossray cooking pattern. Either way, **indirect cooking must be done with the Lid down.**

Tips for Baking

Prepare your favorite recipe as you would in the kitchen. You will need to stir the food several times as it bakes, and add additional liquid as required. Watch the temperature, and adjust to cook according to your recipe directions.

Oven Temperature

Slow	300° - 340° F
Moderate	355° - 390° F
High	410° - 480° F

Food preparation

Trim meat of excess fat. Truss meat and poultry with cooking string to retain shape if desired. Bacon strips can be used to cover the outside surface of lean meat and poultry to help prevent it from drying out. To keep food moist during roasting be sure to keep the Grease/Water Tray filled. If using an optional cast-iron pan for cooking, you should also add liquid to prevent burning the bottom of your food.

Tips for roasting

Except when roasting with water in a roasting pan, the juices that collect in the pan can be used as the base for a tasty sauce or gravy. Place a cooking pan directly over the cooking grids, add extra butter if needed, then add several spoonfuls of flour to thicken sauce. Finally, add sufficient chicken or beef stock to obtain the desired consistency.

Once the meat is cooked, remove it from your grill and cover with a piece of foil. Allow it to stand for 10-15 minutes which allows the juices to settle. This will make carving easier and ensure a tender, juicy roast.

Safe Minimum Internal Temperatures	
Fish	145°F/63°C
Pork	160°F/71°C
Egg Dishes	160°F/71°C
Steaks and Roasts of Beef, Veal or Lamb	145°F/63°C
Ground Beef, Veal or Lamb	160°F/71°C
Whole Poultry (Turkey, Chicken, Duck, etc.)	165°F/74°C
Ground or Pieces Poultry (Chicken Breast, etc.)	165°F/74°C

Recommended Grill Setting

Left or right 2 burners on LOW
All 4 burners on LOW
LF + RR burners on HIGH and LR + RF burners on LOW

Guide to Stir-Frying and Deep-Frying

STIR-FRYING TECHNIQUES

This method of cooking is popular around the world and can be easily accomplished outdoors on your gas grill. It's a quick and healthy way of preparing a complete meal using meat, poultry or seafood in infinite combinations with other interesting ingredients like vegetables, rice or noodles.

Preparing to Stir-fry

Although it is possible to stir fry in other dishes, a wok is your best tool. Its high sides enable the cook to stir food without spillage. Its construction allows you to cook quickly at high temperatures, with instant control of heat which is essential for successful stir frying.

Food preparation

Slice meat and poultry into long thin strips and cube fish fillets. Remove all fat from meat and poultry and cut large vegetables into even slices or cubes.

Marinate foods for extra flavor and tenderness. Marinating times will vary for red meat, fish and or various cuts. Less tender cuts of meat should be marinated longer. Remember to always chill marinating food in the refrigerator prior to cooking.

Stir-fry meats, poultry or fish first. Next, add hard vegetables like carrots. Then continue with softer vegetables like snowpeas and peppers. To ensure even cooking, continually stir and toss the food in the wok using a wooden spoon or spatula.

Tips for Stir-frying

Place a wok on a Cooking Grid in the path of direct infrared heat. Add only a small amount of food at a time to ensure fast cooking and also to allow the wok to reheat between ingredients.

DEEP-FRYING TECHNIQUES

A wide variety of foods can be deep-fried outdoors on your grill, from potatoes, to seafood and chicken. Deep-frying uses a large portion of oil, preferably saturated. The outdoor location is ideal for deep-frying as smoke, grease and smells disperse in the open air instead of collecting on the ceiling of your kitchen.

Preparing to Deep-fry

Deep-fry on your grill using an optional cast-iron pan placed on a Cooking Grid in the path of direct infrared heat.

Fill a cooking pan no more than half full of vegetable or corn oil. **Fill Grease/Water Tray half-full.** Turn the grill Burners on HI, close Lid and preheat your grill 3 to 5 minutes. Open Lid and place cast-iron pan on the mid section of a Cooking Grid then adjust the Infrared Burners to LOW.

Check the temperature of the oil carefully with a frying thermometer or test with a cube of bread. The cube of bread should brown in about 30 seconds for most cooking needs. 350°F(177°C) is the optimal temperature for preparing the majority of deep-fried foods.

Food Preparation

Foods being deep-fried taste better when coated with either batter or breadcrumbs to add flavor and prevent moisture from escaping.

Tips for Deep-frying

Wear a flame retardant BBQ Mitt and slowly lower foods into the hot oil using a wire scoop, fry-basket or stainless steel tongs. Add only a small quantity of food to the oil, allow it to cook, then repeat with another small quantity. This ensures the oil doesn't drop in temperature. Once the food is cooked, remove it carefully and drain onto a paper towel. Turn the heat off as soon as you have finished deep-frying and allow your pan to cool. When the oil is cool, remove all remnants of fried foods by straining it through a fine metal sieve, and store it in a clean bottle for future use.

Guide to Using the Secondary Cooking Rack

Vegetables are generally easy to cook on the grill. The Secondary Cooking Rack makes it convenient because you can still use the main cooking area while the vegetables are suspended above the grids.

Pre-cook hard vegetables by briefly boiling or microwaving them before cooking on the grill. Do not grill your vegetables wrapped in aluminum foil. Infrared heat does not cook through aluminum foil and reflective pans. To keep vegetables moist, brush them with butter or oil often.

The Secondary Cooking Rack can be used for purposes other than just the obvious. Consider using the rack for warming French bread, garlic bread, croissants or even bagels.

Question:

Can I convert my grill from one fuel type to another in other words from LPG to NG or vice versa?

Answer:

No, your gas grill is manufactured to exact specifications and is certified for LPG (Liquid Propane Gas) or NG (Natural Gas) use only. For your safety, conversion kits are not available, nor will we sell or otherwise provide parts or information to be used to convert your grill. Any attempt to convert your grill is dangerous and will void your warranty.

Question:

Are the serial and model numbers of my grill listed somewhere for reference?

Answer:

The serial and model numbers are listed on a silver CSA label placed on the grill. Depending on the grill model the silver CSA label will be located on the left or right side bowl panel underneath the side shelf, underneath the right side of the control panel, outside left or right of control panel or on the back of the grill cabinet.

Question:

My grill will not light properly. Why?

Answer:


Always light the Main Burner farthest from the fuel source first. This will draw gas across the manifold helping prevent air pockets which obstruct gas-flow and prevent proper grill lighting. Also try this procedure:


1. Turn gas off at source and turn Control Knobs OFF. Wait at least 5 minutes for gas to clear, then retry.
2. If your grill still fails to light, turn the Burner Control Knob(s) and gas source OFF and conduct a leak test of ALL gas connections and gas sources as explained in the Use and Care section of this manual.
3. If no leaks are detected, wait 5 minutes for any gas to clear and repeat the lighting procedure.

Question:


If my ignitor or battery is not working how can I light my grill manually? And - Why would I need the silver lighting stick that hangs from the side of my grill?

Answer:

If your ignition fails to work or if your battery needs replacing, you can light your grill using the Manual Lighting Stick. The Lighting Stick is designed to hold a paper match and allows you to safely insert a match through the Cooking Grid without getting close to the Burner. To light your gas grill manually, insert a paper match into the Manual Lighting Stick and follow steps 1 through 5 of the Basic Lighting Procedures. Then, light the match and place the Lighting Stick through the Cooking Grid. Turn the nearest main Burner Control Knob to the  setting to release gas. The Burner should light immediately.



WARNING



Never lean over the grill cooking area while lighting your gas grill. Keep your face and body a safe distance (at least 18 inches) from the front of grill when lighting your grill by match.

Question:

Sometimes I hear a humming sound coming from my regulator. What causes this? And - My grill has a low flame and sometimes will not light. Why?

Answer:

The humming sound is gas flowing through the regulator. A low volume of sound is normal and will not interfere with the operation of your grill. Loud or excessive regulator humming and/or low flow and intermittent lighting may be caused by the regulator's excess gas flow device. Opening the tank valve all the way or too quickly is what triggers the regulator's safety device to restrict gas flow, preventing excess gas flow to your grill. Lighting the main Burner farthest from the fuel source every time will help eliminate air pockets in the manifold. Note: This procedure should be done every time a new LP Gas tank is connected to your grill.

- Turn all Control Knobs to the OFF position.
- Turn off the LP Gas tank at the tank valve. For Natural Gas shut off NG valve.
- Disconnect regulator from LP Gas tank. For Natural Gas disconnect regulator from 12 ft. Natural Gas Hose.
- Let unit stand for 5 minutes.
- Reconnect regulator to the LP Gas tank. For Natural Gas reconnect regulator to 12 ft. Natural Gas Hose.
- Open grill Lid.
- Turn the tank valve slowly ¼ of one turn. For Natural Gas open Shut Off valve.
- Light main Burner farthest from fuel source.
- Turn the tank valve slowly one more ¼ of one turn for ½ of one complete turn.
- Continue to light Burners moving towards the fuel source.
- Do not turn tank valve more than ½ of one turn on LPG models.

Question:

Where do I use my grill for safer operation and better performance?

Answer:

- Strong winds and low temperatures can affect the heating and performance of your gas grill so factor in these elements when positioning your grill outdoors for cooking.
- In **windy conditions**, always position the front of grill to face oncoming wind to reduce smoke and heat blowing in your face and prevent potential hazards to self and grill.
- Use your grill at least 3 feet away from any wall or surface.
- Use your grill at least 3 feet away from combustible objects that can melt or catch fire (ex: vinyl or wood siding, fences and overhangs) or sources of ignition including pilot lights on water heaters and live electrical appliances.
- Never** use your gas grill in a garage, porch, shed, breezeway or any other enclosed area.
- Never** obstruct the flow of ventilation air around your gas grill housing.

Question:

The Regulator and Hose supplied with my gas grill does not fit the older LP Gas tank I've used for years. Why not?

Answer:

The U.S. Government regulates gas appliances and LP Gas tanks. When regulations are changed the LP Gas tank fittings are altered to insure compliance. If your LP Gas tank does not fit the Regulator and Hose supplied with your new grill, the tank is outdated and must be replaced. Note: Effective April 1, 2002 all LP Gas tanks sold must include an "OPD" Overfill Prevention Device. The OPD tanks are identified by their triangular-shaped valve wheel. This internal device prevents the LP Gas tank from being overfilled. Tanks without an OPD valve can not be refilled.

After every use (after your grill has cooled down), wipe stainless surfaces with a soft, soapy cloth or sponge then rinse with water. Be sure to remove all food particles, sauces or marinades from stainless steel because these can be highly acidic and damaging to stainless surfaces.

Never use abrasive cleaners, scrubbers or stiff wire brushes of any type on your grill. Use a heat resistant Stainless Steel Cleaner and rub or wipe in the direction of the stainless steel grain or polish lines. Do not polish against the grain.

Question:

What causes grill parts to rust and what effect does it have on my grill?

Answer:

Rusting is a natural oxidation process and will not affect the short term performance of your grill.

To slow the rusting process on Cooking Grids we recommend greasing the grids before and after each cookout. Use a brush to apply a thin layer of cooking oil or vegetable shortening onto each grid. We do not suggest spray type oils unless they are specified for high-temperature cooking. If your Cooking Grids are Porcelain coated, be sure to coat the entire cooking surface including edges and any areas with chipped porcelain.

Routine care and maintenance is required to preserve the appearance and corrosion resistance of stainless steel. The fact is stainless steel can corrode, rust and discolor under certain conditions. Rust is caused when regular steel particles in the atmosphere become attached to the stainless steel surface. Steel particles can also become attached to your grill if you use steel wool or stiff wire brushes to clean the grill instead of non-abrasive cloth, sponge or nylon cleaning tools. In coastal areas rust pits can develop on stainless surfaces that cannot be fully removed. Bleach and other chlorine based solutions used for household and pool cleaning can also cause corrosion to stainless steel.

Weathering, extreme heat, smoke from cooking and machine oils used in the manufacturing process of stainless steel can cause stainless steel to turn tan in color. Although there are many factors which can affect the surface appearance of stainless steel, they do not affect the integrity of the steel or the performance of the grill. To help maintain the finish of stainless steel follow these cleaning procedures for the best results:

Grand Hall Limited Warranty

Grand Hall will warrant to the ORIGINAL PURCHASER of this product that it will be free of defects in material and workmanship for set periods below from the date of purchase when used under normal outdoor use and correct assembly:

Full Warranty on Grill - 1 year (except for paint loss, rusting and ignitor battery)
Infrared Burners - 5 Years

Grand Hall will require reasonable proof of your date of purchase. Therefore, you should send in the owner registration card or register online at www.grandhall.com. Save your receipt in case it is required as proof of purchase.

This Limited Warranty is limited to replacement of parts at Grand Hall's option that proved to be defective under normal use and service.

Grand Hall may require the return of defective parts for examination before issuing replacement parts. If you are required to return defective parts, shipping charges must be prepaid. No returns will be accepted without prior authorization from Grand Hall.

Upon examination and to Grand Hall's satisfaction, if the original part is proven defective, Grand Hall may approve your claim and elect to replace such parts without charge. You will be charged for shipping and handling of the replacement parts.

This Warranty does not cover any failures or operating difficulties due to accident, abuse, misuse, alteration, misapplication, vandalism, improper installation, maintenance, operation or service, as set out in the Operator's Manual.

This Warranty does not cover cosmetic wear and tear such as scratches, dents, corrosion or discoloration caused by weather, heat, chemicals, paint loss, or surface rust. Deterioration or damage due to severe weather conditions such as hail, hurricanes, earthquakes, tsunamis, tornadoes, Act of God or terrorism is not covered by this Limited Warranty.

To Obtain Warranty:
Call 1-877-934-7455
Monday-Friday 8AM-4:30PM CST

Warranty Restrictions:

- This Warranty is non-transferable and is void if product is used for commercial or rental purposes.
- This Warranty applies only when the product is used in the United States or Canada.
- This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Manufacturer:
Grand Hall Enterprise Co., Ltd.
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