

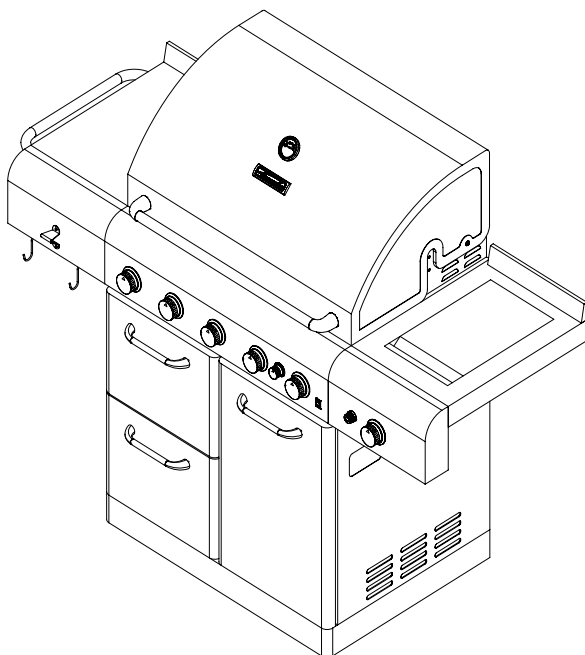
Use and Care Guide



Liquid Propane Gas Grill

Sears Model No. 122.16648900

Kmart item No. 640-82960819-9



- Parts
- Assembly
- Safety Rules
- Use and Care
- Troubleshooting



WARNING:

Read this Owner's manual carefully and be sure your gas grill is properly assembled, installed and maintained. Failure to follow these instructions could result in serious injury and/or property damage. This gas grill is intended for outdoor use only and is not intended to be installed in or on recreational vehicles or boats.

Note to Installer

Leave this Owner's Manual with the customer after delivery and/or installation.

Note to Consumer

Leave this Owner's Manual in a convenient place for future reference.

Customer Service Helpline:

For parts ordering, call:
1-800-4-MY-HOME®

For assembly questions, call:
1-800-913-8999
MFG No: 720-0650A

Date: 10/20/2008

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Kenmore Grill Warranty

One-Year Full Warranty on Kenmore Grill

If this grill fails due to a defecting material or workmanship within one year from the date of purchase, call 1-800-4-MY-HOME to arrange for free repair (or replacement if repair proves impossible).

Ten-Year Limited Warranty on Stainless Steel Burners

For ten years from the date of purchase, any stainless steel burner that rusts through will be replaced free of charge. After the first year from the date of purchase, you pay for labor if you wish to have it installed.

All warranty coverage excludes ignitor batteries and grill part paint loss, discoloration or rusting, which are either expendable parts that can wear out from normal use within the warranty period, or are conditions that can be the result of normal use, accident or improper maintenance,

All warranty coverage is void if this grill is ever used for commercial or rental purposes.

All warranty coverage applies only if this grill is used in the United States.

This warranty gives you specific legal rights, and you may have other right which vary from state to state.

**Sears, Roebuck and Co.,
Hoffman Estates, IL 60179
U.S.A.**

Precautions



WARNING

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



WARNING

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



WARNING

Your grill will get very hot. Never lean over the cooking area while using your grill. Do not touch cooking surfaces, grill housing, lid or any other grill parts while the grill is in operation, or until the gas grill has cooled down after use.

Failure to comply with these instructions may result in serious bodily injury.



WARNING

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



DANGER

If you smell gas:

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

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 Z 223.1/NFPA S4, 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, and CSA Z240 RV series recreational vehicle code, as applicable.

LP gas grill models are designed for use with a standard 20 lb. Liquid Propane Gas tank, not included with grill. Never connect your gas grill to an LP gas tank that exceeds this capacity.

Precautions

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 an Overfill Prevention Device.**

This safety feature prevents the tank from being overfilled which can cause malfunction of the LP gas tank, regulator and/or grill.

The LP gas tank must be constructed and marked in accordance with specifications of the U.S. Dept. of Transportation (DOT). In Canada, the LP gas tank must meet the National Standard of Canada, Can CSA –B339, Cylinders, spheres and Tubes for Transportation of Dangerous Goods and Commission.

1. 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.
2. The tank supply system must be arranged for vapor withdraw.
3. The LP gas tank used must have a collar to protect the tank valve.

Proper Placement and Clearance of Grill

Never use your gas grill in a garage, porch, shed, breezeway or any other enclosed area. Your gas grill is to be used **outdoors only**, at least 24 inches from the back and side of any combustible surface. Your gas grill should not be used under overhead combustible construction. Do not obstruct the flow of ventilation air around the gas grill housing.

- Do not install this outdoor gas grill in or on recreational vehicles or boats
- Keep outdoor gas grill area clear and free from combustible materials, gasoline and other flammable vapors and liquids
- Do not obstruct the flow of combustion and ventilation air. Check for this each time prior to using grill.
- **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 the hose assembly supplied with your gas grill. Replacement regulators and hose assemblies must be those specified in this manual.

- Have your LP gas tank filled by a reputable propane gas dealer and visually inspected and re-qualified at each filling.
- Do not store a spare LP gas tank under or near this appliance.
- Never fill the tank beyond 80 percent full. If this information is not followed exactly, a fire causing death or serious injury may occur.
- Always keep LP gas tanks in an upright position.
- Do not store (or) or use gasoline or other flammable vapors and liquids in the vicinity of this gas grill.
- 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 or other indoor location, **always** disconnect the LP gas tank first and store it safely outside.



- 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.
- LP gas tanks must be stored outdoors in a well-ventilated area and out of reach of children. Disconnected LP gas tanks must not be stored in a building, garage or any other enclosed area.
- When your gas grill is not in use the gas must be turned off at the LP gas tank.
- The regulator and hose assembly must be inspected before each use of the grill. If there is excessive abrasion or wear or if the hose is cut, it must be replaced prior to the grill being used again.
- Keep the gas regulator hose away from hot grill surfaces and dripping grease. Avoid unnecessary twisting of hose. Visually inspect the 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 1-800-4-MY-HOME for assistance.
- **Never** light your gas grill with the lid closed or before checking to ensure the burner tubes are fully seated over the gas valve orifices.
- **Never** allow children to operate your grill.
- **Warning:** The grilling unit, including, if applicable, built in refrigerator, built in lights, should never be left unattended while in use. After use of the grill, always turn off all burners and the main gas supply on the propane tank, remove the tank and unplug all electronic components before covering your grill for storage, to prevent personal injuries or property damage.



WARNING

A strong gas smell, or the hissing sound of gas indicates a serious problem with your gas grill or the LP gas tank. Failure to immediately follow the steps listed below could result in a fire or explosion that could cause serious bodily injury, death, or property damage.

- Shut off gas supply to the gas grill.
- Turn the control knobs to OFF position.
- Put out any flame with a proper fire extinguisher.
- Open Grill Lid.
- Get away from the LP gas tank.
- Do not try to fix the problem yourself.
- If odor continues or you have a fire you can not extinguish, call your fire department. Do not call near the LP gas tank because your telephone is a form of electrical device and could create a spark resulting in fire and/or explosion.

NOTE: The normal flow of gas through the regulator and hose assembly can create a humming noise. A low volume of noise is perfectly normal and will not interfere with operation of the grill. If humming noise is loud and excessive you may need to purge air from the gas line or reset the regulator excess gas flow device. This purging procedure should be done every time a new LP gas tank is connected to your grill. For help with this procedure refer to page 11, Item 4 of "If Grill Still Fails To Light", or call the Customer Service Helpline 8 AM to 5 PM PST at: 1-800-913-8999

CAUTION: Beware of Flash-Back

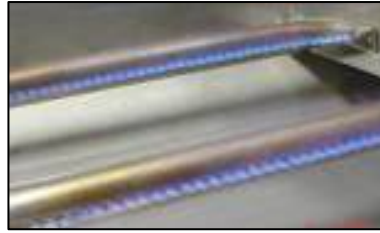
CAUTION: Spiders and small insects occasionally spin webs or make nests in the grill burner tubes during transit and warehousing. These webs can lead to gas flow obstruction which could result in a fire in and around burner tubes. This type of fire is known as "FLASH-BACK" and can cause serious damage to your grill and create an unsafe operating condition for the user.

Although an obstructed burner tube is not the only cause of "FLASH-BACK", it is the most common cause.

To reduce the chance of "FLASH-BACK", you must clean the burner tubes before assembling your grill, and at least once a month in late summer or early fall when spiders are most active. Also perform this burner tube cleaning procedure if your grill has not been used for an extended period of time.

See Cleaning Burner Tubes and Ports on page # 14.

Burner Flame Check



Visually check the burner flames prior to each use. The flames should look like picture, if they do not, refer to the cleaning burner tubes and ports, see page 17 of this manual.

Repair Protection Agreements

Congratulations on making a smart purchase. Your new Kenmore product is designed and manufactured for years of dependable operation. But like all products, it may require repair from time to time. That's when having a Repair Protection Agreement can save you money and aggravation.

Here's what the Repair Protection Agreement * includes:

- ✓ **Expert service** by our 10,000 professional repair specialists
- ✓ **Unlimited service and no charge** for parts and labor on all covered repairs
- ✓ **Product replacement** up to \$1500 if your covered product can't be fixed
- ✓ **Fast help by phone** - we call it Rapid Resolution - phone support from a Sears representative. Think of us as a "talking owner's manual"

Once you purchase the Repair Protection Agreement, a simple phone call is all that it takes for you to schedule service. You can call anytime day or night, or schedule a service appointment online.

The Repair Protection Agreement is a risk-free purchase. If you cancel for any reason during the product warranty period, we will provide a full refund. Or, a prorated refund anytime after the product warranty period expires.

Purchase your Repair Protection Agreement today!

Some limitations and exclusions apply. For prices and additional information in the U.S.A. call

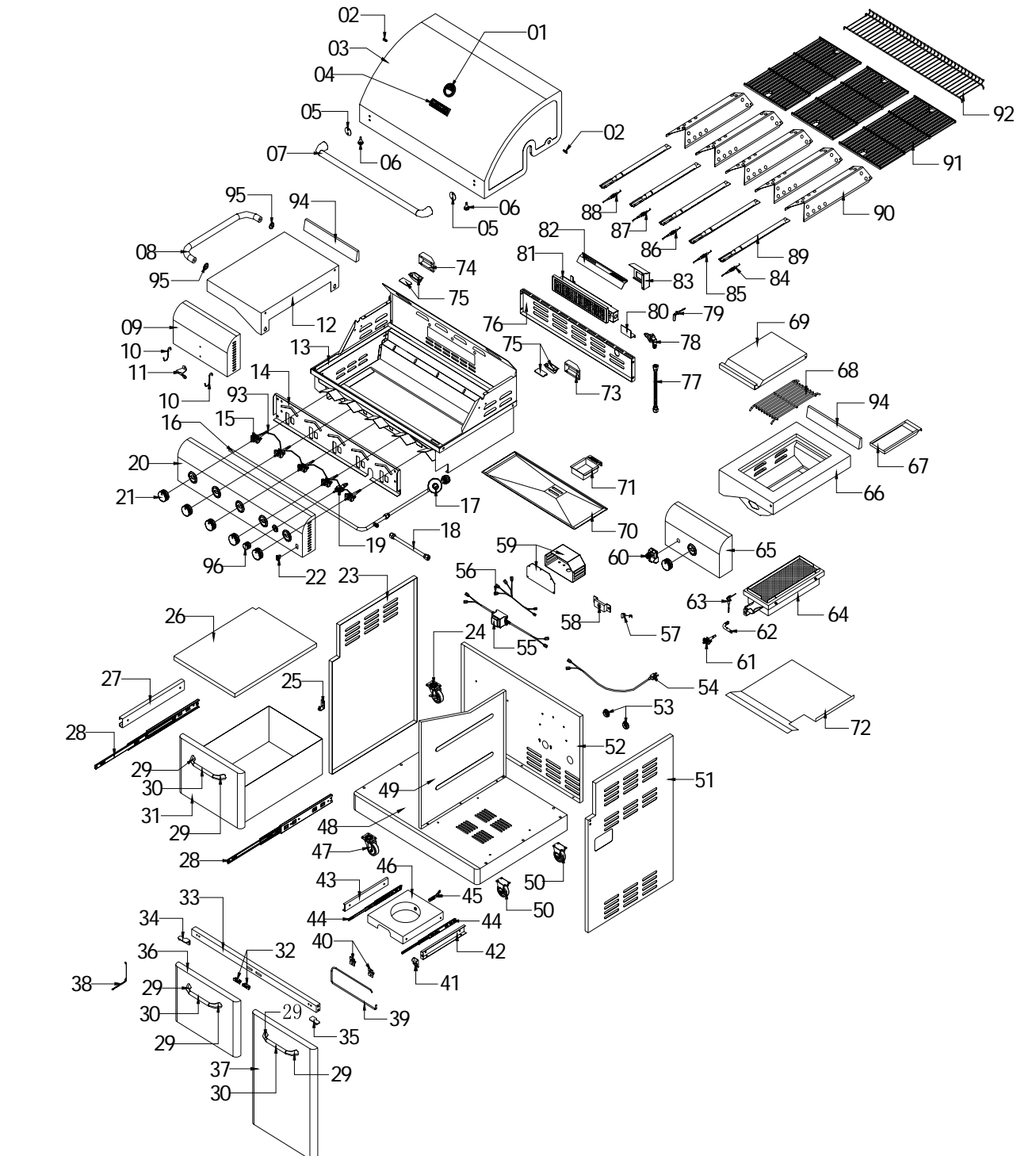
1-800-827-6655.

***Coverage in Canada varies on some items. For Full details call Sears Canada at 1-800-361-6665**

Sears Installation Service

For Sears professional installation of home appliances, garage door openers, water heaters, and other major home items, in the U.S.A. or Canada call **1-800-4-MY-HOME**

Model 122.16648900 Parts Diagram



Model 122.16648900 Parts List

KEY#	PARTS	DESCRIPTION	QUANTITY	KEY#	PARTS	DESCRIPTION	QUANTITY
1	650A-001	Temperature Gauge	1	50	650A-050	Caster	2
2	650A-002	Main Lid Screw	2	51	650A-051	Side Panel, Right	1
3	650A-003	Main Lid	1	52	650A-052	Back Panel	1
4	650A-004	Logo	1	53	650A-053	Rubber Grommet	2
5	650A-005	Main Lid Handle Heat Insulating Spacer	2	54	650A-054	Power cord fix bracket	1
6	650A-006	Hood Buffer	2	55	650A-055	Transformer	1
7	650A-007	Main Lid Handle	1	56	650A-056	Assembled Power Cord	1
8	650A-008	Side Shelf Handle, Left	1	57	650A-057	Cable Strainer	1
9	650A-009	Side Shelf Front Panel, Left	1	58	650A-058	Power Cord Fix Bracket	1
10	650A-010	Hooks	2	59	650A-059	Transformer Supporting Box	1
11	650A-011	Bottle Opener	1	60	650A-060	Electronic Igniter Module	1
12	650A-012	Side Shelf, Left	1	61	650A-061	Sear Gas Valve	1
13	650A-013	Main Burner Bowl Assembly	1	62	650A-062	Side Manifold	1
14	650A-014	Front Baffle	1	63	650A-063	Sear Burner Igniter Wire	1
15	650A-015	Main Gas Valve	5	64	650A-064	Sear Burner	1
16	650A-016	Main Manifold	1	65	650A-065	Side Burner Control Panel	1
17	650A-017	Regulator, LP	1	66	650A-066	Sear Burner Bowl Assembly Frame	1
18	650A-018	Side Burner Hose	1	67	650A-067	Side Burner Grease Tray	1
19	650A-019	Rotisserie Gas Valve	1	68	650A-068	Side Burner Cooking Grid	1
20	650A-020	Main Control Panel	1	69	650A-069	Side Burner Lid	1
21	650A-021	Control Knob	6	70	650A-070	Grease Slide Panel, Bottom	1
22	650A-022	Light Switch	1	71	650A-071	Grease Tray	1
23	650A-023	Side Panel, Left	1	72	650A-072	Firebox Heat Shield	1
24	650A-024	Swivel Caster with Brake	1	73	650A-073	Lamp Fix Cover, Right	1
25	650A-025	Door Hinge	1	74	650A-074	Lamp Fix Cover, Left	1
26	650A-026	Door Clapboard	1	75	650A-075	Lamp	2
27	650A-027	Drawer Slide Bracket, Left	1	76	650A-076	Back Panel, Top	1
28	650A-028	Drawer Slide	2	77	650A-077	Rotisserie Burner Flex Gas Line	1
29	650A-029	Drawer, Door Handle Seat	6	78	650A-078	Rotisserie Orifice w / brass elbow	1
30	650A-030	Drawer, Door Handle Tube	3	79	650A-079	Rotisserie Burner Igniter Wire	1
31	650A-031	Drawer	1	80	650A-080	Rotisserie Burner Gas Collector	1
32	650A-032	Door Magnet	2	81	650A-081	Rotisserie Burner	1
33	650A-033	Cart Frame	1	82	650A-082	Rotisserie Heat Shield	1
34	650A-034	Door hinge bracket, Left	1	83	650A-083	Rear baffle	1
35	650A-035	Door hinge bracket, Right	1	84	650A-084	Main Burner Igniter Wire A	1
36	650A-036	Left Door, Front	1	85	650A-085	Main Burner Igniter Wire B	1
37	650A-037	Left Door, Right	1	86	650A-086	Main Burner Igniter Wire C	1
38	650A-038	Lighting Rod	1	87	650A-087	Main Burner Igniter Wire D	1
39	650A-039	Towel Rack	1	88	650A-088	Main Burner Igniter Wire E	1
40	650A-040	Towel Rack Bracket	2	89	650A-089	Main Burner	5
41	650A-041	Tank Tray Lock Slip	1	90	650A-090	Heat Diffuser	5
42	650A-042	Tank Tray Slide Bracket, Left	1	91	650A-091	Cooking Grid With Hole	3
43	650A-043	Tank Tray Slide Bracket, Right	1	92	650A-092	Warming Rack	1
44	650A-044	Tank Tray Slide	2	93	650A-093	Igniter Junction Wire	1
45	650A-045	Tank Bolt	1	94	650A-094	Side Shelf, Side burner back bracket	2
46	650A-046	Tank Tray	2	95	650A-095	Side shelf handle bezel	1
47	650A-047	Swivel Caster	1	96	650A-096	Rotisserie Control Knob	1
48	650A-048	Bottom Panel	1				
49	650A-049	Cart Clapboard	1				

For assembly questions, call:
1-800-913-8999

For parts ordering, please call:
1-800-4-MY-HOME[®]

To make sure you obtain the correct replacement parts for your Kenmore gas grill, please refer to the part numbers on this page.

Important: Use only parts listed above. When ordering parts, providing the following information:

1. Model #
2. Part Number (see PART# in chart)
3. Part Description
4. Quantity of parts needed

You can purchase the Kenmore rotisserie kit, item # 15803 or NG conversion kit, item #710-0650 at your local Sear's store.

Important: Keep this Owner's Manual for convenient reference 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

1. Open lid of shipping carton and remove top sheet of cardboard. Lay cardboard sheet on floor and use as a work surface to protect floor and grill parts from scratches.

2. Remove packing materials from shipping carton.

3. You may slice the carton front corners with a utility knife to lay open the carton front panel. This will allow you to raise the grill head lid and remove the components packed inside the head.

4. Use the parts list to check that all parts have been included.

5. Inspect the grill for damage as you assemble it. 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:

Caution: Before moving onto side shelf assembly, remove main grease tray and cup from back of grill, and remove and discard any ties or packing material. Then reinsert tray/cup assembly back into grill as below picture shown.



**For Assembly Questions, call 1-800-913-8999
8 AM – 5 PM PST, Monday through Friday.**

Assembling Side Burner Shelf & Side Shelf

1. Remove (2) ¼ x 3/8" Phillips head screws & (2) 1/4" lock washers from side burner shelf back bracket. Attach the bracket to side burner shelf using above screws & lock washers. (Fig. 1)

2. Remove (3) 5/32 x 1/2" Phillips head screws & (3) 5/32" lock washers from side burner shelf. (Fig. 2). Loosen (2) 5/32 x 1/2" Phillips head screws & (2) 5/32" lock washers on right side panel (Fig. 3, A), and remove (1) ½ x 3/8" Phillips head screws & (1) 1/2" lock washer. (Fig. 3, B)

3. Through side burner shelf screw holes, hang side burner on side panel by placing side burner slotted screw holes over side panel loosened screws and washers. (Fig. 4. Fix the side burner shelf to side panel using step 2 removed screws and lock washers as shown. (Fig. 5, C, D, E).

Figure 1

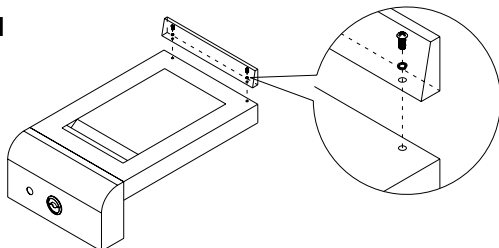


Figure 2

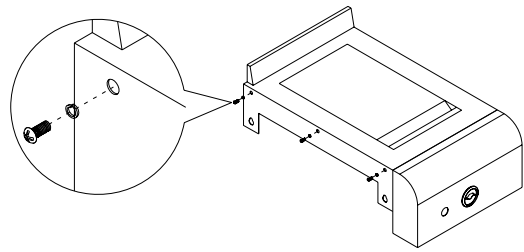


Figure 3

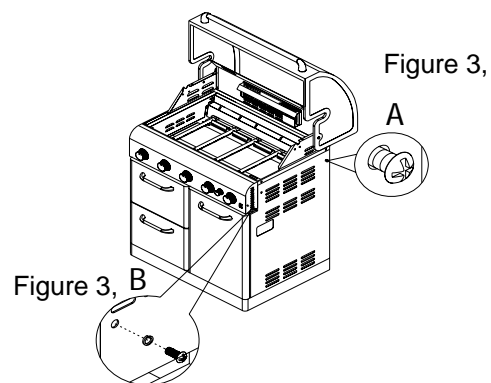


Figure 4

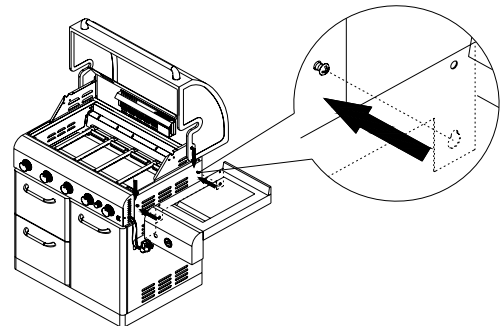
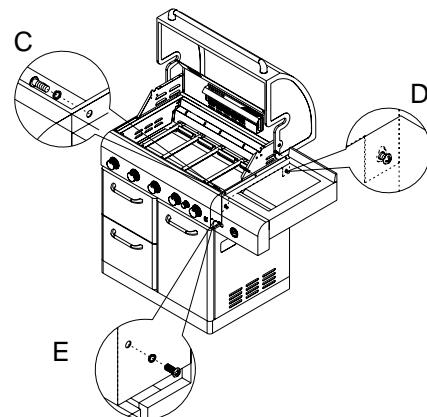


Figure 5



6. From underside of left side shelf, remove 2 screws and lock washers to assembly towel rack and bezels Hang the two trash clips (R) to the right side burner shelf edge (Fig. 6).
7. Remove (3) 1/4 x 3/8" Phillips head screws and (3) 1/4" lock washers on side shelf front panel. Then attach front panel to side shelf using the same 3 screws and lock washers (Fig. 7).
8. Attach left side shelf in same manner as described for right side shelf in steps 2 and 3.

Installing Igniter Module

Locate igniter module at right side of cabinet. Remove silver battery cap and hexagon plastic nut from battery box. Insert threaded stem of battery box through hole in side burner control panel as shown (Fig. 8). Tighten it to panel using hexagon plastic nut. Replace battery cap.

Installing Side Burner Valve

1. Locate side burner valve in right side of grill cabinet. Remove 2 screws and washers from valve. Insert valve stem through hole in front panel. Place side burner control knob bezel over valve stem, and attach bezel and valve stem to front panel with same 2 screws and washers (Fig. 9).
2. Remove rubber decorative band from control knob to reveal set screw access hole. Push control knob over valve stem. Secure knob to stem by using included 5/64" hex wrench to tighten set screw (Fig.10).
3. Plug side burner igniter wire into igniter module (Fig.11).
4. Ensure small igniter wires into igniter module (Fig.12).
5. Assembly 2pcs tower racks to side shelf control panel (Fig.13).

Figure 9

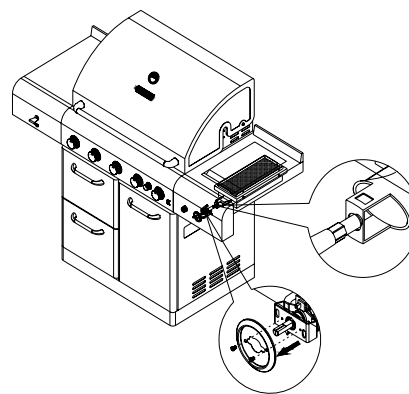


Figure 10

5/64" hex wrench

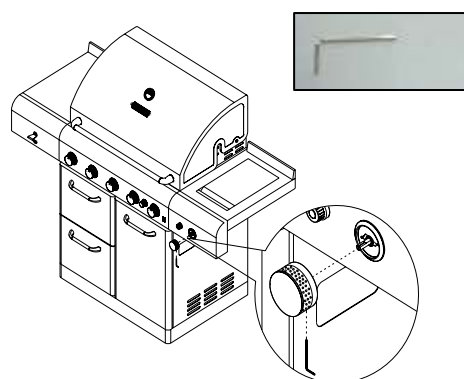


Figure 11

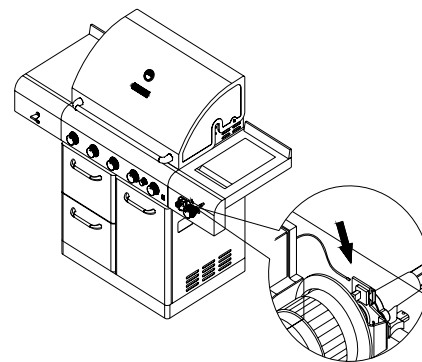
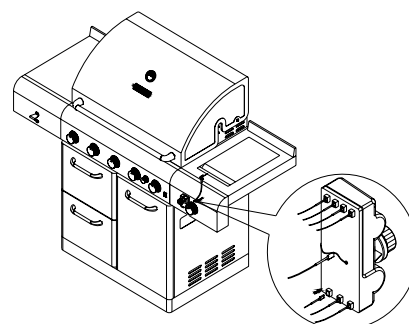


Figure 12



When you have finished assembling grill, make sure that all screws and nuts are tight and secure.

Figure 6

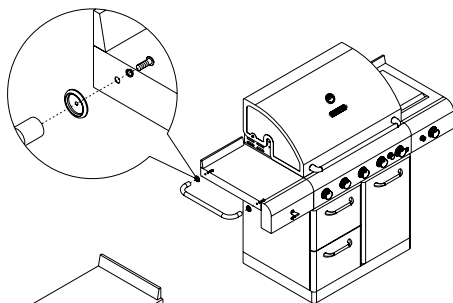


Figure 7

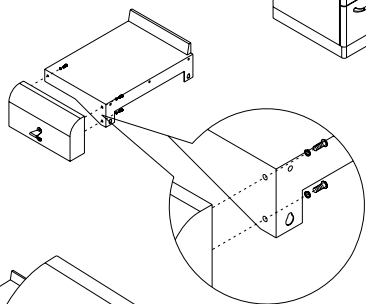
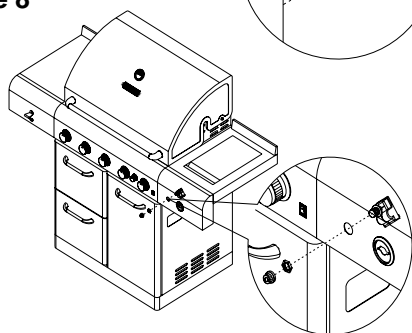


Figure 8



Installing Cooking Components

Important: Before cooking on your grill the first time, wash cooking grids and cooking rack with warm , soapy water. Rinse and dry thoroughly. Season with cooking oil regularly. After cooking is completed, turn grill to HIGH setting for 3 to 5 minutes to burn off excess grease or food residue.

1. Install heat diffusers above burners. Holes in **rear** corners of diffusers attach onto pegs in the back edge of firebox. Ensure that firebox heat shield is inserted securely into slots between adjacent burners. If grill was shipped with shield taped in place, remove tape before using grill.

2. Evenly space cooking grids on the ledge above heat diffusers. (Fig.14)

3. Insert the legs of the warming rack into the holes in the tops of the grill bowl side panels. (Fig.14)

4. Insert the side burner grease tray as shown.

(Fig. 15)

Connecting LP gas tank to LP grill

1. Open right door, unlock tank tray lock slip.(Fig.16). Pull out tank tray, place foot ring of 20 lb tank into the hole in tray. Make sure the tank valve is on OFF position. Use the tank bolt to secure the tank in a fixed position.(Fig.17)

2. Check the tank valve to ensure it has proper external mating threads to fit the hose and regulator assembly provided.

3. Make sure all burner valves are in OFF position.

4. Inspect the valve connection port and regulator assembly. Look for damage or debris. Remove any debris. Inspect hose for damage. Never use damaged or plugged equipment.

5. When connecting regulator and hose assembly to tank valve hand tighten quick coupling nut clockwise to a full stop. (Fig.18) Do not use a wrench to tighten because it could damage the quick coupling nut and result in a hazardous condition.

6. Open tank valve fully (counterclockwise). Use a soapy water solution to check all connections for leaks before attempting to light your grill. If a leak is found, turn tank valve off and do not use your grill until the leak is repaired.

CAUTION: When the appliance is not in use, gas must be turned off at the supply tank.

Figure 13

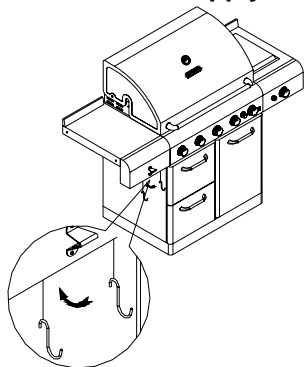


Figure14

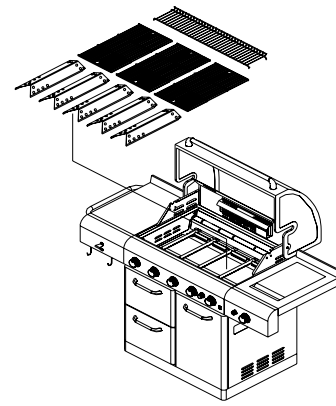


Figure15

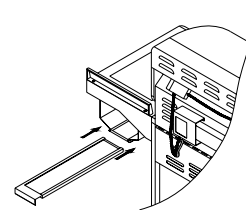


Figure16

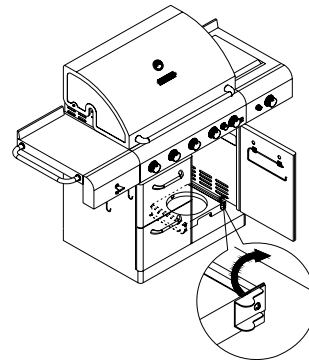


Figure17

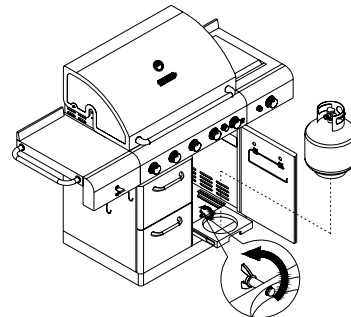
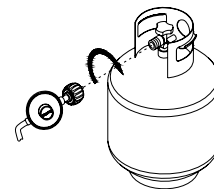


Figure 18

Regulator Connection



Congratulations

Your Kenmore gas grill is now ready for use. Before the first use and at the beginning of each season (and whenever the LP gas tank has been changed):

1. Read all safety, lighting and operating instructions.
2. Check gas valve orifices, burner tubes and burner ports for any obstructions.
3. Perform gas leak check according to instructions found on this page of the manual.

Checking for LP gas leaks

Never test for leaks with a 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.

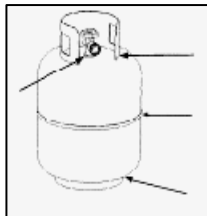
1. Make a 50/50 (soap/water) mild soap solution.
2. Turn the control knobs to full OFF position; then turn gas ON at supply tank.
3. Apply the soap solution with a clean brush to all gas connections. See below. If growing bubbles appear in the solution the connections are not properly sealed. Check each fitting and tighten or repair as necessary.

Gas Connection Leak Check



4. If you have a gas connection leak you cannot repair, turn gas OFF at supply tank, disconnect fuel line from your grill and call 1-800-4-MY-HOME or your gas supplier for repair assistance.
5. Also apply soapy solution to the tank seams. See below. If growing bubbles appear, shut tank OFF and do not use or move it! Contact an LP gas supplier or your fire department for assistance.

Gas Tank Leak Check



Grill Lighting Instruction

Grill Lighting Instructions for Burner

1. Do not smoke while lighting grill or checking gas supply connections.
2. Be sure that LP gas tank is sufficiently full.
3. Be sure all gas connections are securely tightened.
4. Open the grill main lid and side burner lid.
5. Push and turn any main burner knob to HI position, hold in for 3 to 5 seconds until burner ignites.



WARNING

Failure to open grill lid during the lighting procedure could result in a fire or explosion that could cause serious bodily injury, death, or property damage.

6. To light additional burners, push and turn burner knob(s) to HI or ON and hold in for 3 to 5 seconds until burner(s) ignites, then adjust knob(s) to desired setting.



7. If the burner does not light after 5 seconds, turn knob to OFF. Turn gas OFF at LP tank and wait 5 minutes for gas to clear. Then turn gas ON at tank and repeat step 5.
8. If burner still does not light, see Match Lighting section and If Grill Still Fails to Light section on following page.

LIGHTING INSTRUCTIONS FOR ROTISSERIE BURNER

1. Open lid during lighting.
2. To ignite, turn rotisserie knob to ON, hold for 3 to 5 seconds until burner ignites. If ignition does not occur in 5 seconds, turn knob to OFF, wait 5 minutes and repeat the lighting procedure.
3. Important: When using the Rotisserie Burner, do not use the Main Burners.
4. If burner still does not light, see Match Lighting section and If Grill Still Fails to Light Section on following page.

USING THE SIDE BURNER:

Inspect the gas supply hose prior to turning the gas "ON". If there is evidence of cuts, wear or abrasion, it must be replaced prior to use. Do not use the side burner if the odor of gas is present.

WARNING: Always keep your face and body as far away from the burner as possible when lighting.

LIGHTING INSTRUCTIONS FOR SIDE BURNER

Open side burner lid fully.

1. Push and turn side burner knob to ON position, hold in for 3 to 5 seconds until burner ignites.
2. If the side burner does not light after 5 seconds, turn knob to OFF, turn gas OFF at LP tank and wait 5 minutes for gas to clear. Then turn gas ON at tank and repeat step 2.
4. If burner still does not light, see Match Lighting section and If Grill Still Fails to Light section on following page.





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 cooking grid surface when lighting your grill by match.

Manually Lighting Your Grill by Match

1. Take the manual lighting stick
2. Insert a match into the lighting stick.
3. Follow steps 1 through 5 of the Basic Lighting Procedure.
4. Light the match and extend the lighting stick to cooking grid surface.
5. Turn the desired control knob to the HI/position setting to release gas. The burner should light immediately.



WARNING

Should a “FLASH-BACK” fire occur in/or around the burner tubes, 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.

- Shut off gas supply to the gas grill.
- Turn the control knobs to OFF position.
- Put out any flame with a proper fire extinguisher.
- Open grill lid.
- Once the grill has cooled down, clean the burner tubes and burners according to the cleaning instructions found on page 11~12.

If Grill Still Fails To Light

1. Check gas supply and connections for leaks. Check that all wires connections are secure.

2. Repeat basic 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:

- Misalignment of burner tubes over orifices

Correction: Reposition burner tubes over orifices.

- Obstruction in gas line

Correction: Remove fuel line from grill. Do not smoke! Open gas supply for 1 second to clear any obstruction from fuel line. Close off gas supply at source and reconnect fuel line to grill.

- Plugged orifice

Correction: Remove burners from grill, carefully lift each burner up and away from gas valve orifice. Remove the orifice from gas valve and gently clear any obstruction with a fine wire. Then reinstall all orifices, burners, and cooking components.

3. If an obstruction is suspected in gas valves, please call for repair service at 1-800-4-MY-HOME.

4. 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.

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

- Turn the control knob to OFF position.
- Turn off the gas at the tank valve.
- Disconnect regulator from LP gas tank.
- Let unit stand for 5 minutes.
- Reconnect regulator to the LP gas tank.
- Turn the tank valve on slowly until $\frac{1}{4}$ to $\frac{1}{2}$ open.
- Open the grill lid.
- Set control knobs to OFF. Push and turn any control knob to HIGH.
- Turn control knobs to HIGH until all the burners are lit
- You may start to use the grill

5. If all checks or corrections have been made and you still have questions about operating your gas grill, call the **Customer Service Helpline 8 AM – 5 PM PST, Monday through Friday at 1-800-913-8999**

Light Operation Instructions

1. Make sure the light power switch on the control panel is in the "OFF" position.
2. Connect power plug to properly grounded outlet.
3. Turn the light power switch to "ON."



WARNING

Keep any electrical supply cord away from any heated surface.

Halogen Bulb Replacement

1. Make sure that the grill has cooled before changing the light bulb.
2. Make sure the light's power switch on the control panel is in the "OFF" position and power plug is disconnected from the outlet.
3. Use a Phillips screwdriver to loosen the screw securing the light cover.

NOTE: When removing final screw from light cover, make sure to use other hand to hold cover in place, ensuring it doesn't fall and shatter.

4. Loosen the screw securing the light.

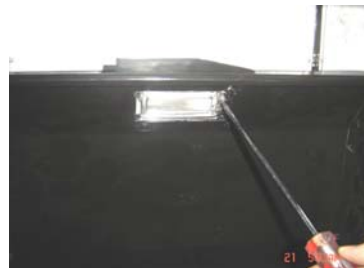
5. Remove the glass cover from the light bulb housing.

HINT: Use a flathead screwdriver to open it easily.

Remove the glass cover from the light.

6. Use a flathead screwdriver to loosen the four screws locking the bulb in place.

Loosen but do not remove the bottom two screws under the light first.



Then loosen but do not remove the upper two screws above the light.



7. Pull out the light bulb and replace with a new bulb. Tighten the four screws.

Note: Do not touch the halogen bulb with bare hands.



8. Replace glass cover, reinsert light bulb housing into the grill, and insert and tighten the screw.



Cleaning Method

Follow steps 1 through 4 above for glass cover removal. Use a damp towel to clean the surface of the glass cover. Make sure the glass cover is completely dry before re-installing.

WARNING

Make sure the light switch is in the "OFF" position and the power plug is disconnected from the power outlet prior to cleaning the glass cover.

WARNING

The glass cover should not be in contact with water or any other liquid when it's warm. Sudden change of temperature may cause cracks in the glass.

WARNING

To ensure continued protection against electric shock:

1. Connect to properly grounded outlets only.
2. Do not expose to rain.
3. Keep extension cord connections dry and off the ground.

Bulb Type: Halogen

Wattage: 10 watts per bulb

Voltage: 12 volts

If you still have questions about replace bulb, call the **Customer Service Helpline 8 AM – 5 PM PST, Monday through Friday at 1-800-913-8999.**

Cleaning and Maintenance

To ensure a proper working unit the following proper care and maintenance is suggested.

Cleaning Cooking Grids

We suggest you wash your cooking grids in a mild soap and warm water solution. You can use a wash cloth or soft brush to clean your cooking grids.

Cleaning Heat diffusers

Periodically you should wash the heat diffusers in a soap and warm water solution. Use a soft brush to remove stubborn burnt-on cooking residue. The heat diffusers should be dry before you reinstall them.

Cleaning Grease Tray

The grease tray should be emptied and wiped down periodically and washed in a mild detergent and warm water solution. A small amount of sand or cat litter may be placed in bottom of grease tray to absorb the grease. Check the grease tray frequently, don't allow excess grease to accumulate and overflow out of the grease tray.

Annual Cleaning of Grill Interior

Burning-off the grill after every use will keep it ready for your next use. However, once a year you should give the entire grill a thorough cleaning to keep it in top operating condition. Follow these steps.

1. Turn all burner valves to full OFF position.
2. Turn LP gas tank valve to full OFF position.
3. Detach LP gas hose and regulator assembly from your gas grill. Inspect for any damage and replace as necessary with manufacturer replacement part number found on parts list.
4. Remove and clean heat diffusers, cooking grids and grill burners.
5. Cover each gas valve orifice with aluminum foil.
6. Brush inside and bottom of grill with a nylon brush, and wash with a mild soap and warm water solution. Rinse thoroughly and let dry.
7. Remove the aluminum foil, then reinstall heat diffusers, and cooking grids.
8. Reconnect gas source and observe burner flame for correct operation.

Cleaning Exterior Surface

•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 abrasives or a brush that might remove finish during the cleaning process.

Cleaning Exterior Stainless Steel Surfaces

•Weathering and extreme heat can cause exterior stainless steel surfaces to turn tan in color. Machine oils used in manufacturing process of stainless steel can also cause this tanning color. Use a stainless steel cleaner to polish stainless steel surfaces of your grill. Never use abrasive cleaners or scrubbers because they will scratch and damage your grill.

Cleaning Burner Tubes and Burner Ports

To reduce the chance of "FLASH-BACK" the procedure below should be followed at least once a month in late summer or early fall when spiders are most active or when your grill has not been used for a period of time.

1. Turn all burner valves and gas tank valve to off position.
2. Detach the LP gas regulator assembly from your gas grill.
3. Remove cooking grids, heat diffusers, and grease tray from the grill.
4. Remove the screws from the underside of each burner and lift the burners up and away from the gas valve orifice.
5. Using a bent stiff wire in the shape of a hook, air hose or a bottle brush, run it through the burner tube and inside several times to remove any debris.
6. Replace burners, see illustration below.

Step 1. Locate the burner onto the orifice.

Step 2. Secure the main burner on the back wall of fire box with 2 screws.



WARNING

The location of the burner tube with respect to the orifice is vital for safe operation. Check to ensure the orifice is inside the burner tube before using the gas grill. If the burner tube does not fit over the valve orifice, lighting the burner may cause explosion and/or fire.

Regardless of which burner cleaning procedure you use, we recommend you also complete the following steps to help prolong burner life.

1. Use a fiber pad or nylon brush to clean the entire outer surface of each burner until free of food residue and dirt.
2. Clean any clogged ports with a stiff wire, such as an open paper clip.

3. Inspect each burner for damage (cracks or holes) and if such damage is found, order and install a new burner. After installation check to ensure that gas valve orifices are correctly placed inside the ends of the burner tubes.



WARNING

Spiders and insects can nest inside the burners of the grill and disrupt gas flow. This very dangerous condition could cause a fire behind the valve panel, thereby damaging the grill and making it unsafe for operation. Inspect the grill at least twice a year.

Troubleshooting

BEFORE CALLING FOR SERVICE

If the grill does not function properly, use the following check list before calling for service.

You should inspect the burners at least once a year or immediately after any of the following conditions occur:

PROBLEMS	WHAT TO DO
Grill won't light when the control knob is rotated.	<p>Check to see if LP tank is empty.</p> <p>Clean wires and/or electrode by rubbing with alcohol and clean swab.</p> <p>Wipe with dry cloth.</p> <p>Make sure the wire is connected to electrode assembly.</p> <p>Do other burners on the unit operate?</p> <p>Check to see if other burners operate. If so, check the gas orifice on the malfunctioning burner for an obstruction.</p>
Burner flame is yellow or orange, in combination with the odor of gas.	Refer to Clean Burner Tubes and Burner Ports on page 14. If problem still exists, please call 1-800-913-8999.
Low heat with knob in "HI" position.	<p>Is the fuel hose bent or kinked?</p> <p>Is the grill in a dusty area?</p> <p>Is there adequate gas supply available?</p> <p>If it is only one burner that appears low, does the orifice or burner need cleaning?</p> <p>Is the gas supply or gas pressure low?</p>

Cooking Instructions



WARNING

Do not leave the grill unattended.

Your grill will get very hot. Never lean over the cooking area while using your grill. Do not touch cooking surfaces, grill housing. Grill Lid or any other grill parts while the grill is in operation, or until the grill has cooled down after use. Failure to comply with these instructions may result in serious bodily injury.

Burn-off

Before cooking on your gas grill for the first time, you will want to “burn off” the grill to eliminate any odor or foreign matter. Just ignite the burners, lower the Lid, and operate grill on the HIGH setting for 3 to 5 minutes.

Cooking Temperatures

High setting: Only use this setting for fast warm-up, searing steaks or chops and for burning food residue off the grill after cooking is complete. **Never** use the HIGH setting for extended cooking.

Medium to Low Settings: Most recipes specify medium to low settings, including all smoking, rotisserie cooking and for cooking lean cuts such as fish.

NOTE: Temperature settings will vary with the temperature and the amount of wind outside your home.

Direct Cooking

The direct cooking method can be used with the supplied cooking grids and food placed directly over the lit grill Burners. **Direct cooking requires the grill lid to be up.** The method is ideal for searing and whenever you want meat, poultry or fish to have an open-flame barbecued taste. Deep frying and smoking are also best cooked in this manner because they require direct heat.



WARNING

Do not line the bottom of the grill housing with aluminum foil, sand or any substance that will restrict the flow of grease into the grease tray. Failure to comply with these instructions could result in a fire or explosion which could cause serious bodily injury, death, or property damage.

Indirect Cooking

To cook **indirectly**, the food should be placed on the left or right side of your grill with the burner lit on the opposite side. **Indirect cooking must be done with the Lid down.**

Flare-ups

The fats and juices dripping from grilled food can cause flare-ups. Since flare-ups impart a favorably distinctive taste and color to food cooked over an open flame, they should be accepted up to a point. Nevertheless, uncontrolled flaring can result in a ruined meal.



CAUTION

To prevent damage to adjacent burner(s), the fire box heat shield must be securely inserted in place when operating the Searing burner.

Grill Cooking Chart

WARNING: To ensure that it is safe to eat, food must be cooked to the minimum internal temperatures listed in the table below.

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

* United States Department of Agriculture

FOOD	Weight or thickness	Temperature	Time	Special instructions and tips
Vegetables	NA	Medium	8 to 20 minutes	Slice or chop vegetables and dot with butter or margarine. Wrap tightly in heavy duty foil. Grill turning occasionally.
Potatoes	Whole	Medium	40 to 60 minutes	Wrap individually in heavy duty foil. Cook rotating occasionally.
Meat/Steaks	1/2 to 3/4 inches	High-Medium	4 to 15 minutes	Pre heat grill for 15-20 minutes then sear steaks on each side for two minutes. Next grill 3 to 5 minutes on each side or until desired doneness.
Ground Meats	1/2 to 3/4 inches	Medium	8 to 15 minutes	Grill turning once when juices rise to the surface or until desired amount of doneness. Do not leave hamburgers unattended since a flare-up could occur quickly.
Ribs	1/2 or full rack	Medium	20 to 40 minutes	Grill turning occasionally. During last few minutes brush with barbecue sauce, turn several times.
Hot dogs	NA	Medium	5 to 10 minutes	Grill turning four times. 2-4 minutes on each of four sides.
Poultry-Cut	1/4 to 1/2 pounds	Low or Medium	20 to 40 minutes	Grill turning occasionally. During last few minutes brush with barbecue sauce if desired, turn several times.
Poultry Whole	2 to 3 pounds	Low or	1 to 1-1/2 hours	Use poultry stand and brush frequently as desired
		Medium	40 to 60 minutes	Use poultry stand and brush frequently as desired
Fish	3/4 to 1 inch	Medium	8 to 15 minutes	Grill turning once to desired doneness. Brush with melted butter, margarine or oil.

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