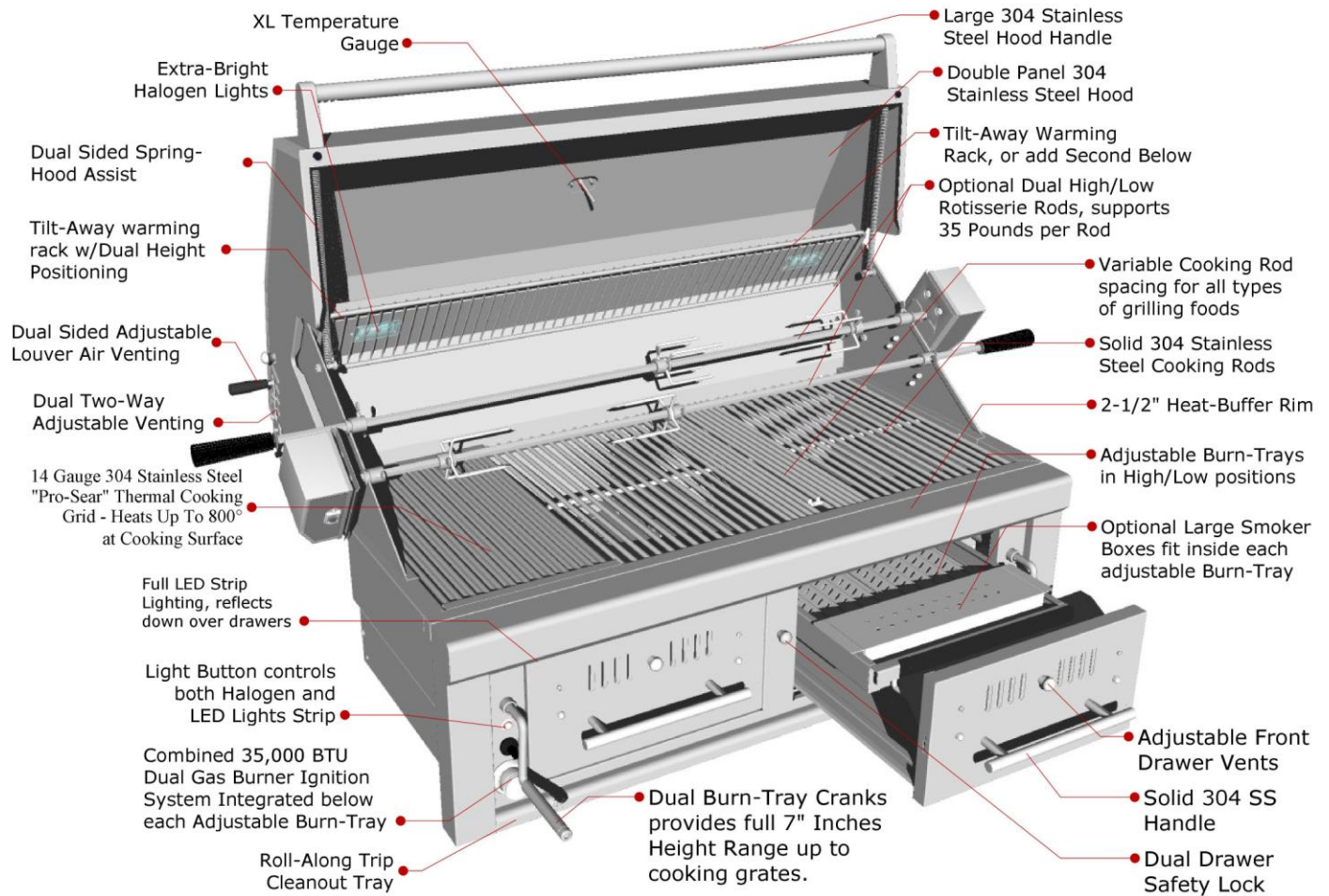




PRODUCT MANUAL

EMERALD SERIES GAS HYBRID CHARCOAL GRILL

- ALL 304 STAINLESS STEEL CONSTRUCTION
- ALL 304 STAINLESS STEEL SOLID COMPONENTS



Read all instructions before you operate your grill.
SAVE THIS MANUAL!

INDEX DIRECTORY

Grill Safety and Warnings

| | |
|--------------------------------|----|
| Grill Safety and Warnings----- | 3 |
| Clearances and Placement----- | 4 |
| Grill Specification Guide----- | 5 |
| Island and Gas Setup ----- | 6 |
| Step by Step Guide ----- | 7 |
| Lighting the Grill ----- | 8 |
| Grill Parts Diagram ----- | 9 |
| Grill Parts Item List ----- | 10 |
| Grill Warranty----- | 11 |



How to Obtain Service

Before you call

Have you read through this product manual?
Have you read and understood the Product Warranty on the last page of this manual?

Please make sure you have the following information:

Model Number | Date of Purchase | Invoice Number. (The Invoice Number can be found on the packing slip when your grill is delivered, it is 5 digits numeric number) Be sure to keep that for your records and any future warranty claims.

For warranty service, contact SUNSTONE Customer Service Department at (888)-934-9449 press option 1 or email service@sunstonemetalproducts.com, we will response within 1-2 business days Monday to Thursday.

Must keep copy of your sales slip for proof of purchase.

YOU'RE NAME _____


DATE OF PURCHASE _____


ADDRESS _____


INVOICE NUMBER _____


PURCHASED FROM _____


GRILL SAFTY AND WARNINGS


 **ATTENTION:** Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.


 **ATTENTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate personal injury, or property damage.

 **WARNING:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.


 **EXPLOSION:** Indicates an imminently hazardous situation which, if not avoided, will result in possible explosion and cause death or serious injury.


 **BODILY INJURY:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate personal injury, or property damage.


 **HOT SURFACE:** Indicates an imminently hazardous hot surface which, if not avoided, will result in serious burn or injury.


 **OPEN FLAME:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.


WARNINGS:


 Do not add charcoal starter fluid or charcoal impregnated with charcoal lighter fluid to hot or warm coals. Cap starter fluid after using and place a safe distance away from the grill.


 Do not use gasoline, alcohol, or other highly volatile fluids to ignite charcoal.


 Do not leave infants, children, or pets unattended near the grill.


 Do not remove ashes until all coals are completely burned out and are fully extinguished.


 Do not wear clothing with loose flowing sleeves while lighting or using the grill.


 Do not use this charcoal grill in high winds. Or with back of grill facing wind direction.


 Do not store combustible materials (charcoal, Firelighters, etc.) in the storage area under the ash pan while using the grill.


 Do Not Closed the Lid of the Grill while Lighting the Charcoal with Gas Burners.


 Barbecue mitts or hot pads should always be used to protect hands while barbecuing, opening the fire door, or adjusting the dual draft vents.


 Use proper barbecue tools with long, heat resistant handles.


 Never touch the cooking grates while charcoal Or gas burners are lit to see if it is hot.

 Burning charcoal inside can kill you. It gives off carbon monoxide, which has no odor. NEVER burn charcoal inside homes, vehicles, or tents.

 To extinguish coals, close the hood, fire door, and dual draft vents. Do not use water.

 To control flare ups, close the hood and, if necessary, the fire door and dual draft vents.

 Gas Ignition Burners are for Igniting Charcoal or Wood Logs ONLY, do not run continually.

 Handle and store hot electric starters carefully. Keep electrical cords away from the hot surfaces of the grill.

CLEARANCES AND PLACEMENT



ATTENTION: Do Not Build Enclosure around Firebox of Grill, Grill Free-Hangs from Counter Top, DO Not Build Shelf below Grill of any kind. **Must have Minimum of Two Vents for this Grill, for Natural Gas place in High Position, and for Liquid Propane place in Low Position.**

Your grill is **SELF-RIMMING**, meaning the lip of grill rests on top of the counter edge around the cut-out with the front of grill which is Free-Hanging from counter top. Because of this, there is No Need for any Trim-Kit like with many other grill in the market.

- Maintain 24" Clearance from any Combustible Materials in ANY direction of Grill.
- If any combustible materials within 24" distance, must have Heat Barrier like Grill Jacket, or other Non-Combustible type like Bricks, Hardy Board, Metal.
- Orient the grill so the Prevailing winds are not blowing into the rear or side of grill.

Minimum Distances

| | |
|--|-----------------------|
| From Back Cut-Out Grill Line to Wall | 6-1/2" Min. Clearance |
| From Counter to Outdoor Vent Hood | 36" Min. Clearance |
| From Floor to Counter Top | 34" Min. Clearance |
| From Grill to Vent Hood Width | 4"-6" Min. Clearance |
| From Appliance to Appliance | 12" Min. Clearance |
| From Appliance to Combustible Material | 24" Min. Clearance |



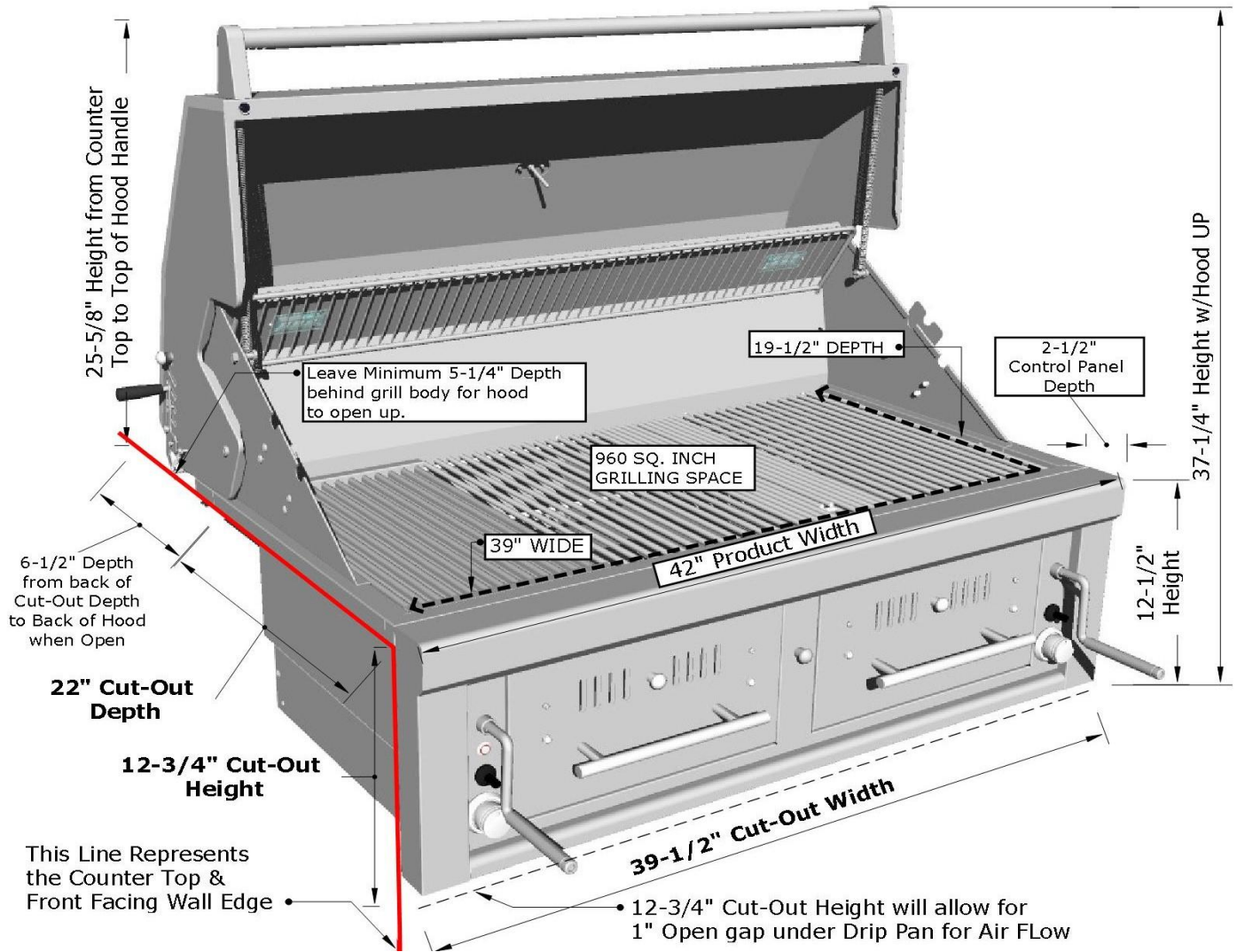
ATTENTION: Take special precaution when installing grill in open Breezy area, check the direction of Prevailing Wind, if the back of the grill is facing any oncoming wind or breeze, be sure to protect the back of the grill, and erect a partition wall, or only use grill with hood open on breezy days.

Windy Area

Positioning your grill in your backyard is more often thought of how it is pleasing to the eye, but more important than this is how that it functions correctly. Unlike an indoor appliance, your grill has to combat many outside weather influences in all manner of weather related instances, most severely is Wind.

- Maintain proper Prevailing wind, grill direction – with the front of grill facing in to the wind, and the back of grill in the direct wind is blowing.
- If direction of wind is unclear, or difficult to combat even with preventative measures, then always grill with the hood open, and when hood is closed – always be within close proximity to grill and monitor it that it does not overheat.
- If wind or breeze is in the direction of back of grill, you must erect partition wall of 14" height so that the top of grill hood is covered by several inches. If this is not done, you must grill with hood open and or when hood is closed stand in close area to grill and monitor if the grill overheats.

GRILL SPECIFICATION GUIDE



PRODUCT DIMENSIONS

Product Size - 42"W x 27-1/8"D x 28"H

Cut-Out Size - 39-1/2"W x 22"D x 12-3/4"H

Product Weight – 216 LBS

COOKING SPECIFICATIONS

Cooking Surface Size - 960 Sq. In.

Warming Rack Size - 220 Sq. In.

Rotisserie Rod Supporting Weight – 35 Pounds

HOOD UP DIMENSIONS

Counter to Top of Hood - 25-5/8" Height

Back Cut-Out to Back of Hood - 6-1/2" Depth

Space behind Grill Back – 5-1/4" Depth

GAS BURNER SPECIFICATIONS

Burner Type - 304 SS Tubular

Gas Burner BTU's - 17,500 BTU's per. Burner

Burner Ignition Type – Piezo

HOOD DOWN DIMENSIONS

Counter to Top of Hood – 14-1/4" Height

Front Hood Riser - 5" Height

Space behind Grill Back – 5-1/4" Depth

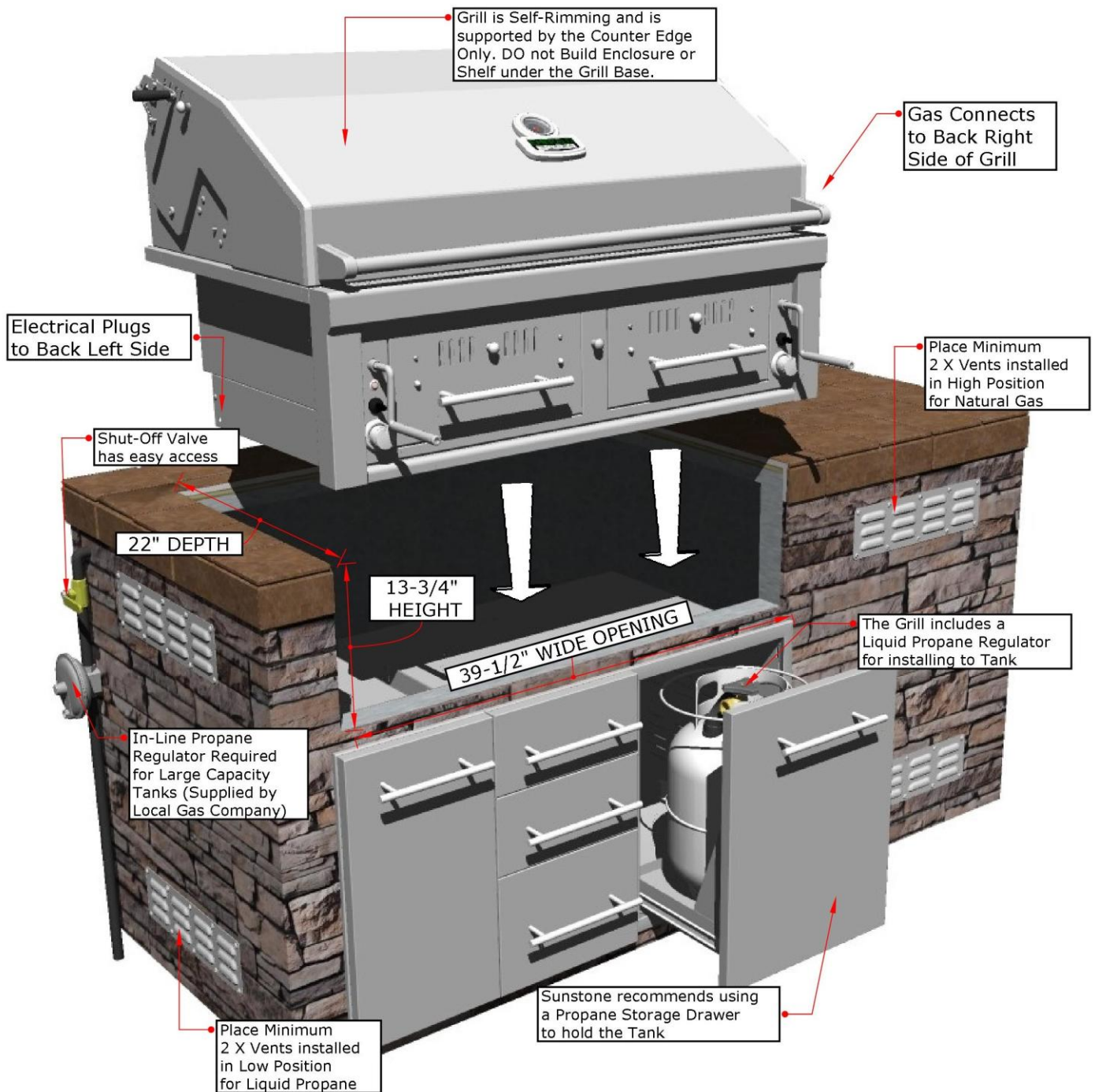
BURN TRAY SPECIFICATIONS

Burn Tray Size - 14" Width x 13-1/2" Depth

Burn Tray Load Height - 3" Charcoal/Wood Height

Burn Tray Height Range – 7" Adjustable Height within 1" of Cooking Grate.

ISLAND AND GAS SETUP

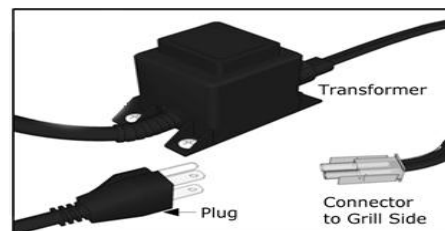


NOTICE: All Gas Lines for either Liquid Propane or Natural Gas should be installed by a Licensed Professional ONLY! All Liquid Propane Installation with a Large Capacity Side Yard Tank, requires a Medium Pressure In-Line Regulator to be installed by Licensed Professional. Grill includes LP Regulator for 25 Pound Portable Tank only, if you require grill to use Natural Gas, please call our Technical Support Line and request NG-Conversion Kit for Item No. EMCHDZ42 at 888-934-9449 press option #1.

STEP BY STEP GUIDE

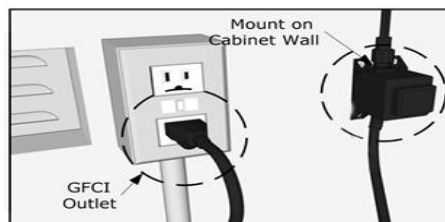
1. Locate the Electrical Transformer inside Grill

Remove the transformer from the plastic bag located in the interior of grill. Make sure the Transformer is complete, and double check the grill light plug cord is properly secured to transformer, and all wires are firmly fixed into plastic clip plug.



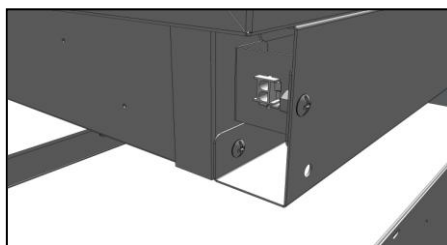
2. Mount Transformer to Interior Island Wall

Using metal screws and attach the transformer to the back inner wall of your islands cabinet wall, somewhere near the already installed GFCI electrical outlet. When you plug the transformer in, double check then GFCI breaker switch, that the outlet has power.



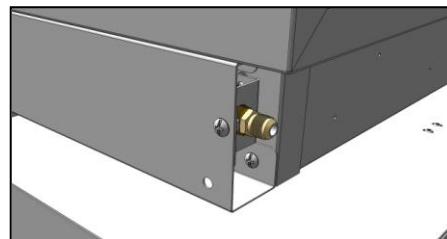
4. Connect Light Transformer Plug to Grill

Locate the Light Connection on BACK-LEFT SIDE of grill. The connection clips together, to form a secure connection. Double check that all wires are tightly pushed into plug sockets, so all wires make proper connections.



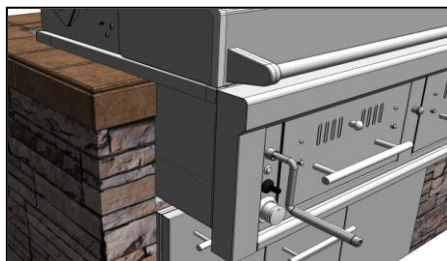
5. Connect Gas Line to Grill

See the BACK-RIGHT SIDE – This is where the Gas Line will connect to the Grill. Grill is shipped as Liquid Propane ONLY and includes a LP-Regulator for portable tank. Recommendation to have a 18" Rubber or Flex hose to allow grill to be pulled out if necessary.



5. Slide Grill in Place

Your Sunstone™ grill is specially designed with an internal built in hanger lip located at the Right, Left and Back sides. The grill lip allows it to hang by the three supported edges on the right, left and back. The front control panel requires no supporting edge; it is designed to hang down the front of your cut-out.



6. Securing in Place

The control panel is designed to sit flush against the island face. If counter top extends beyond the islands face, creating a countertop overhang, it must be cut flush with the island face where the width of the control panel or a gap will be created exposing the forward portions of the left and right side firewalls.

7. Allow for Ventilation

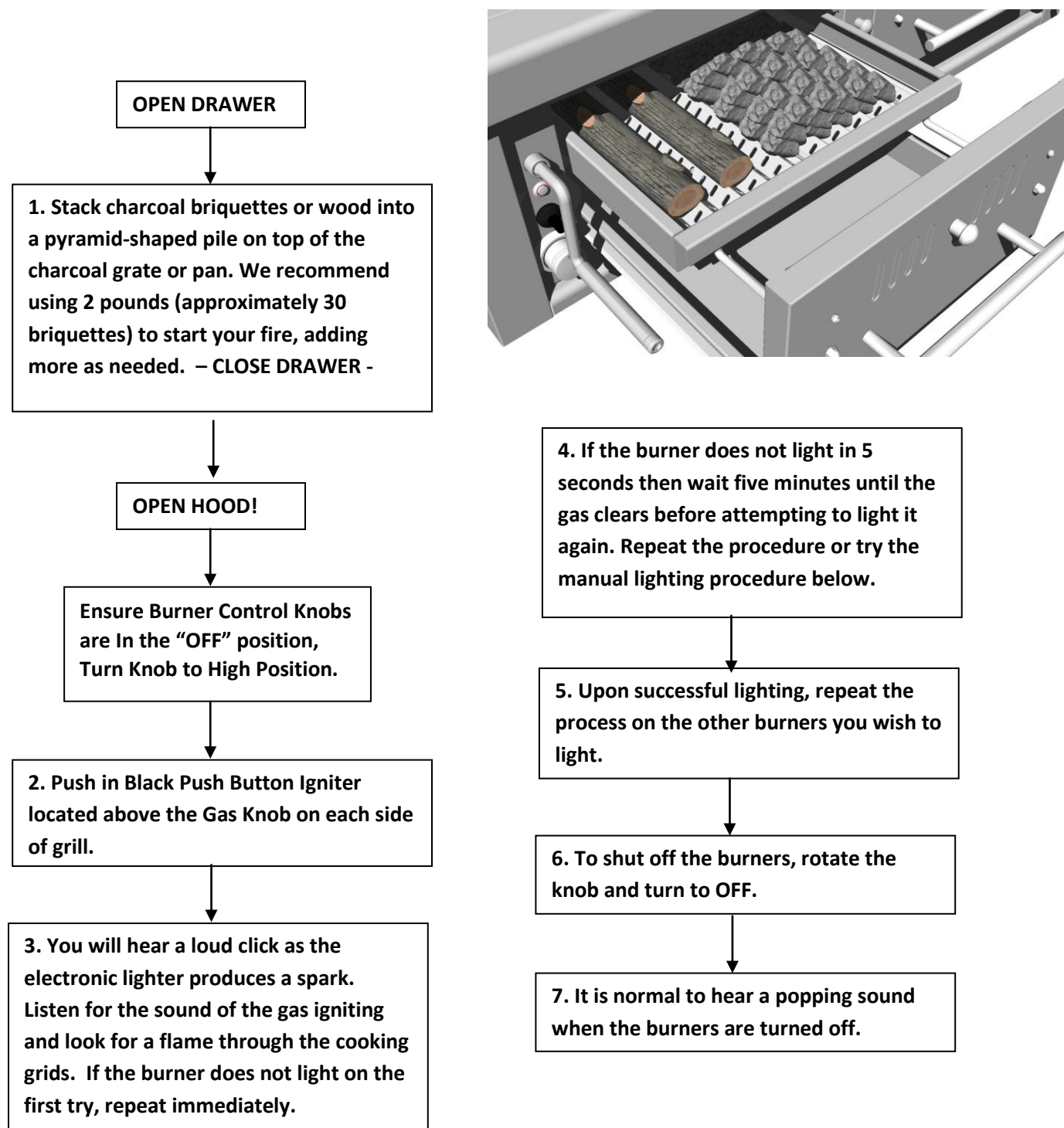
Your Sunstone™ grill is engineered with special vents on the back of unit, which allow proper airflow out of the back of grill. Be sure you allow a minimum of 6-1/2" behind grill for proper air ventilation and to allow hood to open properly. Push grill all the way into cut-out, so there are no gaps present to inside of island frame and grill control panel is flush against island wall.

LIGHTING THE GRILL

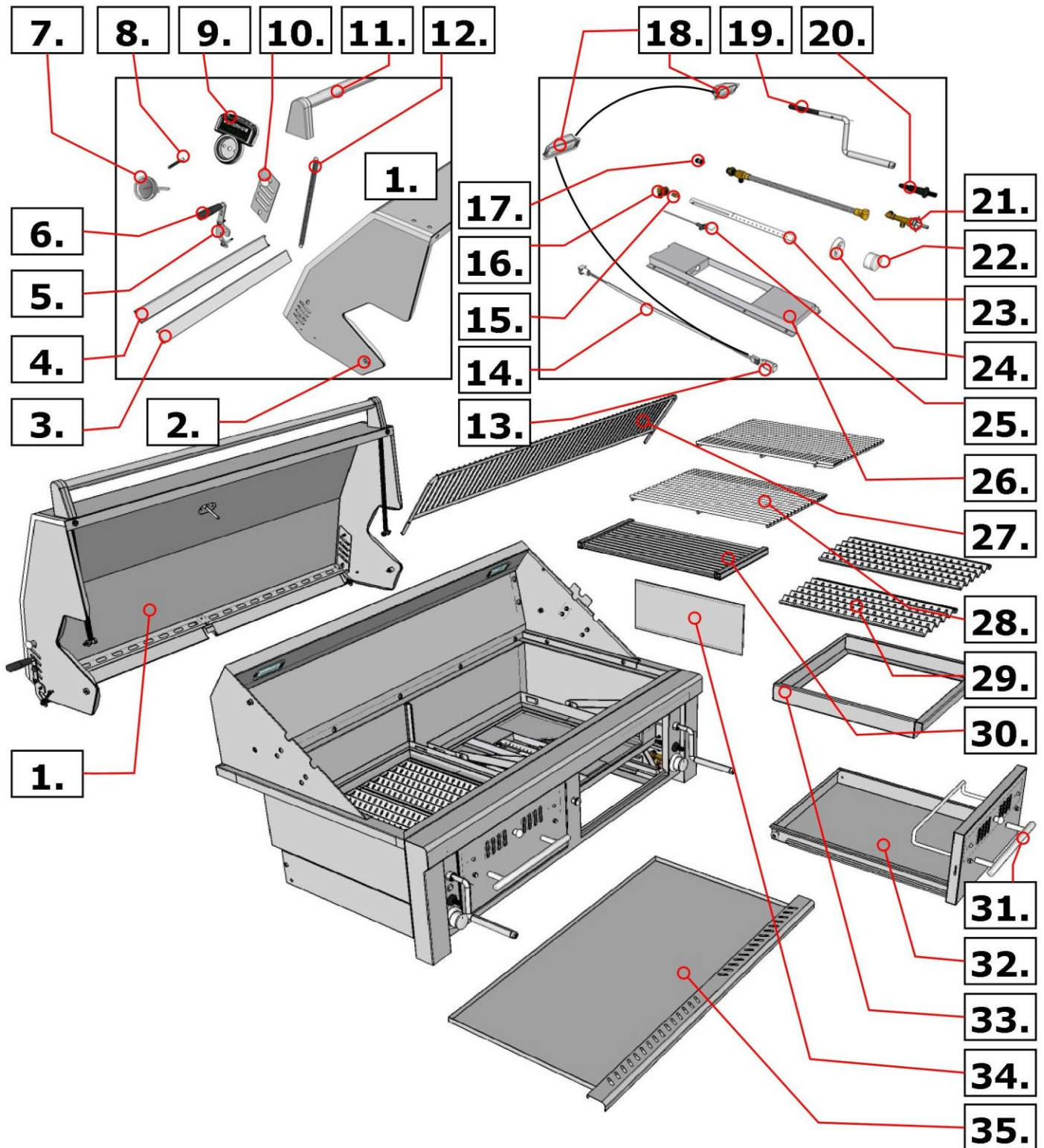
⚠ WARNING:

When Lighting the Grill, continue to rapidly press the Black Igniter Button In & Out while allowing the Gas to Flow, if you Do Not hear a Clicking Sound, immediately turn the gas OFF – otherwise gas will continue to flow.

Lighting Time 3 to 5 minutes



GRILL PARTS DIAGRAM



ATTENTION: If you do not see the specific part you are needing replaced, please visit our website at www.sunstonemetalproducts.com, and navigate to “Parts & Accessories” and see either TAB or Menu Link for “Emerald Grill Parts”. For further assistance please call our Technical Support Office at 888-934-9449 press option #1.

GRILL PARTS ITEM LIST

| Item No. EMCHDZ42 Parts List | | | |
|------------------------------|-------------------------------|-----|------------|
| No | Description | Qty | Part No. |
| 1 | Complete Hood Assembly | 1 | EM-Hood |
| 2 | Hood Mounting Bolt | 2 | EM-HBolt |
| 3 | Hood Louver Vent - Inside | 2 | EM-LVI |
| 4 | Hood Louver Vent - Outside | 2 | EM-LVO |
| 5 | Louver Vent Lever | 2 | E-LOULEVER |
| 6 | Louver Vent Lever Handle | 2 | E-LOUHAND |
| 7 | Hood Thermometer | 1 | P-ETMeter |
| 8 | Louver Vent Lever Spring | 2 | E-LOUSP |
| 9 | Emerald Brand Emblem | 1 | E-BRAND |
| 10 | Side Hood Adjustable Vent | 2 | E-SHVENT |
| 11 | Hood Rod Handle | 1 | HOOD-E5B |
| 12 | Hood Spring Assistance | 2 | E-HSPRING |
| 13 | Main Light Control Button | 1 | R-LIGHT-SW |
| 14 | Lights Wire Assembly | 1 | E-LWIRE |
| 15 | Burner Flare Orifice – LP/NG | 2 | P-OR-LP/NG |
| 16 | Elbow Flare Adapter | 2 | E-ELBFLAR |
| 17 | Manifold Flare ½” NG, 3/8” LP | 1 | E-MF-LP/NG |
| 18 | Light Box w/Halogen Bulb | 2 | R-LIGHT |
| 19 | Crank Rod for Burn Tray | 2 | E-CRANK |
| 20 | Piezo Igniter Button | 2 | E-PIEZO |
| 21 | Emerald Gas Valve – LP/NG | 2 | E-VA-LP/NG |
| 22 | Emerald Valve Knob | 2 | E-KNOB |
| 23 | Emerald Knob Ring | 2 | E-KNOBR |
| 24 | Emerald Gas Burner Tube | 2 | E-GBURNER |
| 25 | Emerald Impulse Igniter | 2 | E-IMPIG |
| 26 | Emerald Burner Frame | 2 | E-BURFRAM |
| 27 | Warming Rack for 42” Grill | 1 | R-FL-5B |
| 28 | Cooking Grates for 42” Grill | 2 | R-GR5B L/R |
| 29 | Burn Tray Racks | 4 | E-BTRAY |
| 30 | Pro Searing Grate | 1 | R-GSEAR-5B |
| 31 | Drawer Handle | 2 | E-HANDLE |
| 32 | Drawer Box Assembly | 2 | E-DBA |
| 33 | Burn Tay Support Frame | 2 | E-BTSF |
| 34 | Firebox Flame Divider | 1 | E-DIVWAL |
| 35 | Vented Drip Pan for 42” Grill | 1 | R-DTRAY-5B |

NOTES

[illegible]

GRILL WARRANTY

SUNSTONE EMERALD SERIES 42" GAS HYBRID CHARCOAL GRILL WARRANTY

*****All Warranties Start from the Date of Purchase*****

LIMITED LIFETIME WARRANTY

Sunstone Stainless Rod Cooking Grids and Stainless Steel Housings (including liners, frames, firebox and hood and all exterior grill faces) are warranted for as long as you own you're Sunstone Barbecue Grill against all factory defects. This warranty does not cover against consumer usage wear and tear from using the grill as all grilling methods will erode the 304 Stainless Steel Materials.

LIMITED LIFETIME WARRANTY WITH ONE YEAR BURNER REPLACEMENT

The Stainless-Steel Gas Tube Burner is warranted for as long as you own you're Sunstone Barbecue Grill against all factory defects. In addition, the Burner is covered for the first full year from date of purchase with FREE replacement against all wear and tear. This warranty covers the burner only, it does not cover the cost of a service tech to replace the burner.

LIMITED ONE-YEAR WARRANTY

All other grill components including, thermometer, light assemblies, gas-valves, piezo-igniters, springs, all electrical wire are warranted to be free from defects in material and workmanship for a period of one year from the original date of purchase.

LIMITATIONS & EXCLUSIONS

1. *SUNSTONE warranty applies only to the original purchaser and may not be transferred.*
2. *SUNSTONE warranty is in lieu of all other warranties expressed or implied and all other obligations or liabilities related to the sale or use of its grill products.*
3. *SUNSTONE warranty shall not apply and SUNSTONE is not responsible for damage resulting from misuse, abuse, alteration of or tampering with the appliance, accident, hostile environment, flare-up fires, improper installation, or installation not in accordance with the instructions contained in the User Manual, or the local codes.*
4. *SUNSTONE is not responsible for warping of component parts due to overheating or using in a way not in line with the product manual.*
5. *SUNSTONE shall not be liable for incidental, consequential, special or contingent damages resulting from its breach of this written warranty or any implied warranty.*
6. *Some states do not allow limitations on how long an implied warranty lasts, or the exclusions of or limitations on Consequential damages. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.*
7. *No one has the authority to add to or vary SUNSTONE warranty, or to create for SUNSTONE any other obligation or liability in connection with the sale or use of its products.*
8. *SUNSTONE DOES NOT COVER FOR WARPING OF STEEL DRAWER, GRATES, OR ANY OTHER COMPONENT FROM THE RESULT OF MISUSE OR OVERHEATING OF COMPONENTS.*

WHAT IS NOT COVERED. & INTERNET PURCHASE DISCLAIMER

1. *SUNSTONE shall not be responsible for and shall not pay for the following Installation or start-up.*
2. *Service by an unauthorized service provider and the cost of a service tech of any warranted parts.*
3. *Damage or repair due to service by an unauthorized service provider or use of unauthorized parts.*
4. *Damage caused by accidents, abuse, alteration, misuse, installation that is not in accordance with the instructions contained in the User Manual, or local codes.*
5. *To correct normal adjustments or settings, due to improper installation, commissioning or local gas supply properties.*
6. *Shipping and handling costs, export duties, or installation cost.*
7. *The cost of service calls to diagnose trouble; or Removal or re-installation cost.*

This warranty applies to the original purchaser with invoice or proof of purchase and covers Sunstone products intended for personal, family or household usage only. It does not apply to surface rust, corrosion, oxidation or discoloration, which may occur due to moisture or overheating, unless the affected component becomes inoperable. This warranty does not cover parts becoming defective by misuse, accidental damage, improper handling and/or installation. It does not cover labor or labor related charges. It specifically excludes liability for indirect, incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specified legal rights and you may have other rights which may vary from state to state. For additional information regarding this warranty, or information on how to place a warranty claim, contact your authorized Sunstone dealer.