

GREEN MOUNTAIN® GRILLS 72315 US HWY 101 LAKESIDE, OR 97449

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PLEASE READ THIS ENTIRE MANUAL BEFORE INSTALLATION AND USE OF THE PELLET FUEL-BURNING APPLIANCE. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN PROPERTY DAMAGE, BODILY INJURY OR EVEN DEATH

CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS FOR YOUR AREA

**SAVE THESE INSTRUCTIONS** 

# IMPORTANT SAFETY INFO

PLEASE READ, UNDERSTAND, AND FOLLOW ALL DIRECTIONS IN THIS MANUAL BEFORE OPERATING YOUR GRILL.

### **GENERAL WARNINGS**

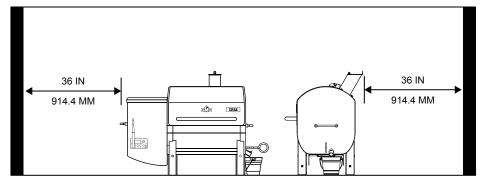
- THIS IS AN ELECTRIC APPLIANCE. OBSERVE ALL NORMAL SAFETY PROCEDURES FOR A HIGH VOLTAGE APPARATUS.
- · FOR OUTDOOR USE ONLY.
- DO NOT USE IN ANY ENCLOSED AREA OR ANY AREA WITHOUT ADEQUATE VENTILATION.
- DO NOT MODIFY THIS GRILL IN ANY MANNER NOT IN ACCORDANCE WITH MANUFACTURER GUIDELINES.
- DO NOT OPERATE THIS GRILL OTHER THAN AS SPECIFIED IN THIS MANUAL.
- BE AWARE OF AND RESPOND TO THE INHERENT DANGER OF ANY APPLIANCE THAT PRODUCES FLAMES
- DO NOT USE THE GRILL IN RAIN OR AROUND ANY WATER SOURCE SUCH AS SPRINKLERS.
- DO NOT STORE OR USE COMBUSTIBLE MATERIALS NEAR THIS GRILL.
- DO NOT PUT A BARBECUE COVER OR ANYTHING FLAMMABLE ON OR UNDER THE GRILL WHILE IN USE.
- PROPER PARTS AND PROPER INSTALLATION OF PARTS ARE NECESSARY FOR MAINTAINING VENTILATION AND AIR CIRCULATION. IN ADDITION, NO OBJECTS CAN BLOCK THE AREA UNDER THE HOPPER.
- PROPER INSTALLATION OF ALL PARTS PROVIDED CONSTITUTES FULL ASSEMBLY.
- YOU MUST CONTACT YOUR LOCAL HOMEOWNERS' ASSOCIATION, BUILDING, FIRE OFFICIALS, OR OTHER AUTHORITY HAVING JURISDICTION, TO OBTAIN THE NECESSARY PERMITS, PERMISSION OR INFORMATION ON ANY INSTALLATION RESTRICTIONS, SUCH AS ANY GRILL BEING INSTALLED ON A COMBUSTIBLE SURFACE, INSPECTION REQUIREMENTS, OR EVEN THE ABILITY TO OWN AND OPERATE SUCH A GRILL IN YOUR AREA.
- DO NOT ALLOW WATER TO ENTER THE PELLET HOPPER. PELLETS EXPOSED TO WATER TURN INTO SAWDUST THAT THE AUGER FEED SYSTEM WILL NOT DELIVER TO THE FIREBOX.
- AFTER A PERIOD OF STORAGE OR NONUSE, THE GRILL SHOULD BE CHECKED FOR AUGER AND BURN POT OBSTRUCTIONS, FOREIGN OBJECTS INSIDE BOTH THE GRILL AND THE HOPPER, AND AIR BLOCKAGE, BEFORE USE, IN ACCORDANCE WITH THE CORRECT PROCEDURES SET FORTH IN THIS MANUAL.
- DO NOT OPERATE THE GRILL WHILE TRANSPORTING IT. THE GRILL MUST ALWAYS BE STATIONARY WHEN IT IS
  ON. MAKE CERTAIN THAT THE GRILL IS COLD AND ALL FIRE IN THE FIREBOX IS EXTINGUISHED BEFORE
  MOVING IT.

#### NON-SPECIFIED PRODUCTS OR ACCESSORIES

• DO NOT USE ACCESSORIES NOT SPECIFIED FOR USE WITH THIS APLIANCE

#### PROPER INSTALLATION/PLACEMENT FOR FOR ADEQUATE VENTILATION

- UNIT MUST NOT BE INSTALLED(PLACED) ON A COMBUSTIBLE FLOOR. ONLY INSTALL(PLACE) UNIT ON A NON COMBUSTIBLE FLOOR OR FLOORS PROTECTED WITH NONCOMBUSTIBLE SURFACES WHERE THE PROTECTIVE SURFACE HAS BEEN APPROVED FOR SUCH USE BY THE AUTHORITY HAVING JURISDICITON.
- DO NOT INSTALL/PLACE UNIT UNDER A COMBUSTIBLE CIELING OR OVERHANG.



- THE BACK AND SIDES OF THE GRILL MUST BE AT LEAST 36 INCHES FROM ANY COMBUSTIBLES. THIS IS A MINIMUM CLEARANCE FROM THE UNIT TO ANY COMBUSTIBLE MATERIALS.
- DO NOT USE THIS GRILL UNDER ANY OVERHEAD COMBUSTIBLE SURFACE.

## WHEN OPERATING GRILL ON TREK CART

- WHEN ATTACHING OR DETACHING THE GRILL UNIT FROM THE CART UNIT, CARE MUST BE TAKEN TO AVOID PINCHING HANDS OR FINGERS BETWEEN THE GRILL AND THE CART.
- THE GRILL MUST NOT BE EITHER REMOVED FROM THE CART OR ATTACHED TO THE CART WHILE OPERATING, OR WHILE STILL HOT. WHEN THE GRILL IS DETACHED FROM THE CART AND IN USE, IT MUST BE PLACED ON A NONCOMBUSTIBLE SURFACE WHILE BEING OPERATED, SUCH AS CONCRETE, METAL, GRAVEL, BARE GROUND. OR ON A THERMAL BARRIER DESIGNED FOR SUCH USE.
- THE CART UNIT MAY ALSO BECOME HOT DURING OPERATION, SO CARE MUST BE TAKEN WHEN TOUCHING PARTS OF THE CART TO AVOID BURNS OR OTHER INJURIES.

### **WOOD PELLET AND OTHER FUEL RESTRICTIONS**

- DO NOT ADD OR USE ANY OTHER FUELS OTHER THAN THE PELLETS IN THE HOPPER.
- USE ONLY WOOD PELLET FUEL SPECIFIED BY THE MANUFACTURER. DO NOT USE PELLET FUEL LABELED AS HAVING ADDITIVES.
- THIS GRILL IS DESIGNED TO BURN ONLY FOOD-SAFE HARDWOOD PELLETS. DO NOT USE ANY OTHER TYPE OF FUEL.
- DO NOT USE ANY PELLETS LABELED AS HAVING ADDITIVES OR DESIGNED FOR USE IN HOME HEATING SYSTEMS. GREEN MOUNTAIN® GOLD, TEXAS, FRUITWOOD AND APPLE BLEND PELLETS ARE THE MOST IDEAL PELLETS TO USE FOR GREEN MOUNTAIN® GRILLS. THE MEAN MOISTURE AND ASH TOTALS ARE AS FOLLOWS: ASTM E871 WT. % 4.87 ASH ASTM D1102 WT. % 0.66.
- NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILIAR LIQUIDS TO START OR FRESHEN UP A FIRE IN THIS APPLIANCE. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE APPLIANCE WHEN IN USE.
- DO NOT USE SOFTWOOD PELLETS. THE SMOKE CONTAINS DANGEROUS PHENOLS THAT YOU DO NOT WANT TO INGEST.
- DO NOT USE HEATING PELLETS, AS THEY MAY CONTAIN UNSAFE IMPURITIES THAT COULD HARM YOUR HEALTH OR YOUR GRILL.
- GREEN MOUNTAIN GRILLS ARE DESIGNED FOR AND TESTED WITH THE GREEN MOUNTAIN BRAND OF PELLETS. WHILE YOU MAY USE OTHER BRANDS OF PELLETS, WE DO NOT WARRANT THAT THE GRILL WILL PERFORM AT THE SAME LEVEL.
- NEVER USE LAVA ROCK, NON-PELLETIZED WOOD, OR CHARCOAL IN THE GRILL.
- PELLETS MUST BE STORED IN A DRY PLACE. IN ADDITION, PELLETS MUST BE STORED AWAY FROM COMBUSTIBLE MATERIALS.

### **OPERATING PRECAUTIONS**

- THIS GRILL MUST NOT BE USED BY PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING THE USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY AND ARE BEING SUPERVISED BY A RESPONSIBLE ADULT.
- OPERATION OF THE UNIT MUST ALWAYS INCLUDE THE GRILL LID. THE GRILL LID IS CRUCIAL TO OPERATON. DO NOT OPERATE THE GRILL WITHOUT THE GRILL LID.
- ACCESSIBLE PARTS OF THE GRILL WILL BE VERY HOT, AND YOUNG CHILDREN AND PETS MUST BE KEPT AWAY
  FROM THE GRILL WHILE IT IS IN USE. CHILDREN SHOULD NEVER USE THE GRILL.
- NEVER LEAN OVER AN OPEN GRILL OR PLACE HANDS OR FINGERS ON THE FRONT EDGE OF THE GRILL OR IN THE PELLET HOPPER.
- USE HEAT RESISTANT BARBECUE MITTS OR GLOVES WHILE OPERATING THE GRILL.

### REMOTE/WIFI SMART CONTROL APP USAGE

IF USING A REMOTE CONTROL OR THE REMOTE CELL PHONE APPLICATION TO CONTROL THE OPERATION OF
THE GRILL, YOU MUST FIRST MAKE SURE THAT ALL SAFETY PRECAUTIONS OTHERWISE APPLICABLE TO THE
OPERATION OF THE GRILL HAVE BEEN OBSERVED PRIOR TO STARTING THE GRILL. MOREOVER, A
RESPONSIBLE ADULT FAMILIAR WITH THE OPERATION OF THE GRILL SHOULD BE AT ALL TIMES ABLE TO VIEW
THE GRILL, AND IS IN CLOSE-ENOUGH PROXIMITY TO THE GRILL TO BE ABLE TO ADDRESS ANY EMERGENCY
CONDITIONS, BEFORE OPERATING THE GRILL REMOTELY.

### **MAINTENANCE**

- THE GRILL MUST BE CLEANED AND MAINTAINED REGULARLY IN ACCORDANCE WITH THE INSTRUCTIONS SET FORTH IN THIS MANUAL.
- DISPOSAL OF ASHES- ASHES SHOULD BE PLACED IN A METAL CONTAINER WITH A TIGHT FITTING LID. THE
  CLOSED CONTAINER OF ASHES SHOULD BE PLACED ON A NONCUMBUSTIBLE FLOOR ON THE GROUND, WELL
  AWAY FROM ALL COMBUSTIBLE MATERIALS, PENDING FINAL DISPOSAL. IF THE ASHES ARE DISPOSED BY
  BURIAL IN SOIL OR OTHERWISE LOCALLY DISPERSED, THEY SHOULD BE RETAINED IN THE CLOSED
  CONTAINER UNTIL ALL EMBERS HAVE THOROUGHLY COOLED.
- IF YOUR GRILL DOES NOT IGNITE, MAKE CERTAIN TO TURN OFF THE UNIT AND REMOVE THE GREASE TRAY AND HEATSHIELD TO CHECK THE FIREBOX. BEFORE YOU RESTART, YOU MUST MAKE CERTAIN THAT THE FIREBOX IS CLEAN.
- ALWAYS UNPLUG THE GRILL BEFORE PERFORMING ANY SERVICE OR MAINTENANCE.
- NEVER ADD PELLETS BY HAND TO THE FIREPOT WHILE THE GRILL IS RUNNING. IF THE GRILL RUNS OUT OF PELLETS DURING COOKING, LET THE GRILL COMPLETELY COOL AND START AGAIN FOLLOWING THE INITIAL START-UP INSTRUCTIONS.
- ALWAYS BE SURE TO INSTALL THE HEAT SHIELD PROPERLY, IN ACCORDANCE WITH THE INSTRUCTIONS ELSEWHERE IN THIS MANUAL, TO REDUCE RISK OF A GREASE FIRE.
- GREASE FIRES ARE OFTEN CAUSED BY FAILING TO PROPERLY MAINTAIN THE GRILL BY CLEANING THE
  GREASE TRAY AND THE GREASE DRAIN CONSISTENTLY. IF A GREASE FIRE OCCURS, TURN THE CONTROL
  UNIT TO "OFF," AND LEAVE THE LID CLOSED UNTIL THE FIRE IS OUT. DO NOT UNPLUG THE POWER CORD. IF AN
  UNCONTROLLED FIRE DOES OCCUR, IMMEDIATELY CALL THE LOCAL FIRE DEPARTMENT. NEVER PUT WATER
  ON THE FIRE.
- MAKE ABSOLUTELY CERTAIN THE GRILL AND ASHES ARE COLD BEFORE ACCESSING THE INTERIOR. DO NOT REMOVE HOT ASH FROM THE GRILL, AS IT MAY CAUSE A FIRE ELSEWHERE.

### CREOSOTE

- OVER TIME, A LAYER OF TAR-LIKE SOOT OR CREOSOTE MAY FORM INSIDE YOUR GRILL. YOU SHOULD REGULARLY REMOVE SUCH SUBSTANCES FROM INSIDE YOUR GRILL, AS A CREOSOTE FIRE CAN BURN OUT OF CONTROL.
- DARK AND SOOTY SMOKE MAY INDICATE THE PRESENCE OF A CREOSOTE BUILDUP INSIDE YOUR GRILL. IF YOU NOTICE THIS, TURN OFF THE GRILL AND WAIT FOR IT TO COOL COMPLETELY. THEN, REMOVE ANY COLD CREOSOTE FROM THE GRILL WITH A TOWEL.
- SHOULD A CREOSOTE FIRE OCCUR, TURN THE CONTROL UNIT TO "OFF," AND LEAVE THE LID CLOSED UNTIL THE FIRE IS OUT. DO NOT UNPLUG THE POWER CORD. DO NOT TRY TO REMOVE THE GRILL, TRY TO SMOTHER THE FIRE, OR PUT WATER ON THE FIRE. IF AN UNCONTROLLED FIRE DOES OCCUR, IMMEDIATELY CALL THE FIRE DEPARTMENT.

### CARBON MONOXIDE WARNING

- FOLLOW THESE GUIDELINES TO PREVENT THIS COLORLESS, ODORLESS GAS FROM POISONING YOU, YOUR FAMILY OR OTHERS
- KNOW THE SYMPTOMS OF CARBON MONOXIDE POISONING, HEADACHE, DIZZINESS, WEAKNESS, NAUSEA, VOMITING, SLEEPINESS, AND CONFUSION. CARBON MONOXIDE REDUCES THE BLOOD'S ABILITY TO CARRY OXYGEN. LOW BLOOD OXYGEN LEVELS CAN CAN RESULT IN LOSS OF CONSCIENCENESS AND DEATH.
- SEE A DOCTOR IF YOU OR OTHERS DEVELOP FLU-LIKE SYMPTOMS WHILE COOKING OR IN THE VICINITY OF THIS APPLIANCE. CARBON MONOXIDE POISONING WHICH CAN EASILY BE MISTAKEN FOR A COLD OR FLU, IS OFTEN DETECTED TOO LATE
- THE GRILL MUST BE OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE GUIDELINES TO PREVENT CARBON MONOXIDE FROM POISONING YOU, YOUR FAMILY, OR OTHERS.
- CARBON MONOXIDE IS COLORLESS AND ODORLESS, SO IT IS IMPORTANT TO OPERATE THE GRILL IN STRICT ACCORDANCE WITH THIS OPERATING MANUAL, AND THESE WARNINGS.
- THE GRILL MUST AT ALL TIMES BE OPERATED OUTSIDE, IN A WELL-VENTILATED AREA, AND IN STRICT ACCORDANCE WITH ALL OTHER INSTRUCTIONS IN THIS MANUAL TO AVOID CARBON MONOXIDE POISONING.
- THE SYMPTOMS OF CARBON MONOXIDE POISONING INCLUDE HEADACHES, DIZZINESS, WEAKNESS, NAUSEA, VOMITING, SLEEPINESS, AND CONFUSION. CARBON MONOXIDE REDUCES THE BLOOD'S ABILITY TO CARRY OXYGEN, AND LOW BLOOD OXYGEN LEVELS CAN RESULT IN LOSS OF CONSCIOUSNESS AND DEATH.
- ALCOHOL CONSUMPTION AND DRUG USE INCREASE THE EFFECTS OF CARBON MONOXIDE POISONING.
- CARBON MONOXIDE IS ESPECIALLY TOXIC TO MOTHERS AND CHILDREN DURING PREGNANCY, INFANTS, THE ELDERLY, SMOKERS, AND PEOPLE WITH BLOOD OR CIRCULATORY SYSTEM PROBLEMS, SUCH AS ANEMIA OR HEART DISEASE.

## PROP 65 - STATE OF CALIFORNIA



### WARNING

THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING CHROMIUM (HEXAVALENT COMPOUNDS) AND CARBON DIOXIDE, WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM, AND CAN EXPOSE YOU TO WOOD DUST, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. FOR MORE INFORMATION, GO TO WWW.P65WARNINGS.CA.GOV.





# TREK PRIME® 2.0

### **GRILL FEATURES**



### 12V DIRECT POWER

With AC/DC dual connectivity, you can connect the grill with either a 110V/220V or 12V plug but the grill ultimately runs off 12V direct current. This is a much safer and optimized power source that allows for our micro-adjusted variable speed fan and auger motor for more precise temp control, greater pellet fuel economy, and less waste.



### REDESIGNED CHAMBER

The new rounded/peaked hybrid chamber design provides for optimal heat distribution and smoke circulation creating a superior 360° of wood-fired greatness. The elevated lid design allows for additional height inside the grilling chamber for larger cooks and maximum wood flavor.



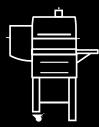
### **VENTURI-STYLE**

The Venturi-Style design is lined with vertical vents creating a burn pot cyclone of airflow for maximum heat distribution.



### WIFI SMART CONTROL

Control and monitor your grill and internal meat temps right from your phone through your local WiFi network with the GMG App.



### TREK CART ENABLED

Elevate & mobilize your GMG TREK Prime™ 2.0 with the easy slide-in and attachable TREK Cart accessory. Equipped with locking caster wheels for easy mobility and collapsible front and side shelves for extra space and convenience.



### **VERSATILE TEMP RANGE**

From 150° - 550°F you can smoke a 16 hour brisket low and slow or crank up the heat for a beautiful sear on your steak. GMG wood-fired versatility is unmatched.

# DIGITAL CONTROLLER



## Changing between °F/C

If you want to change the controller to °C, simply hold the down arrow button for 4 seconds while the unit shows "off" on the display. To go back to °F, follow the exact same method.

#	DESCRIPTION
1	Signal Indicator Light
2	<b>Digital Readout Display</b> Displays temp and status codes.
3	Food Probe Button When the food probe is connected, press to read the internal temp of your food. Press again to switch back to grill temp.
4	Food Probe Connection Insert a food probe here and run it up and through the steel swinging door on the left side of the grill.
5	WiFi Antenna Connection
6	Temperature Up 5° Increment control
7	Temperature Down 5° Increment control
8	Power Button

## **DISPLAY STATUS CODES**

CODE	DESCRIPTION		
OFF	Grill Is Off		
FAn	Fan Mode		
Upd	Updated		
SUC	Updates Successful		
FAL	Ignition Failure		

CODE	DESCRIPTION		
NFD	No Food Detected		
Fod	Ready to Show Food Temp		
SEN	Sensor Failure		
PGA	Circuit Board Issue		

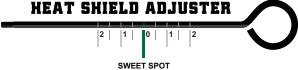
# PREFIRE CHECK

A MAJOR CAUSE OF FIRES IS FAILURE TO MAINTAIN REQUIRED CLEARANCES (AIR SPACES) TO COMBUSTIBLE MATERIALS. IT IS OF UTMOST IMPORTANCE THAT THIS PRODUCT BE INSTALLED ONLY IN ACCORDANCE WITH THESE INSTRUCTIONS. PLEASE READ AND FOLLOW THE SAFETY INFO SECTION BEFORE STARTING UP YOUR GRILL.









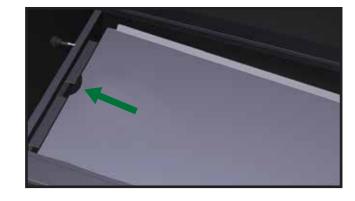
### !\ IMPORTANT

For a proper centered heat shield position, use the marks on the adjuster handle. The grill wall should align with the 0 mark on the handle, setting the heat shield roughly **4.75 in.** (120.65 mm) from the left inside grill wall.





Install the grease tray with the **half-moon cut-out to the left**. This ensures proper travel of grease into your grease trough. For easy clean up, wrap the grease tray in tin foil.







Always ensure the hopper lid is closed while operating the grill.



# **OPERATING YOUR GRILL**

## PRIMING THE FIREBOX

### !\ IMPORTANT

You must prime the firebox the first time you start the grill or any time you accidentally let the auger tube run out of pellets.

- Remove grates, grease tray, and heat shield.
- Plug the grill in and press the red POWER button.
- Display will show '0'. Wait until it changes to '1'. and unplug the grill.
- Plug the grill back in and press the red POWER button.
- Repeat Steps 2-4 until pellets begin to emerge from the end of the auger tube and fall into the firebox.
- **6** Replace grates, grease tray, and heat shield.
- Allow the grill to finish it's 0-1-2-3 startup cycle and reach 150°F before you set your desired temp.

# **SEASONING YOUR GRILL**

## ! IMPORTANT

ALWAYS allow the grill to reach 150°F before adjusting the temperature.

Burn in the grill at 350°F for 30 minutes to remove any residue from the manufacturing process.



## POWERING DOWN YOUR GRILL

Press the red POWER button.

This will shift the grill into "FAN" mode. You will hear the fan kick in and you may hear the auger motor turn intermittently. The grill extinguishes the fire at a rate dependent on the actual temperature when you pressed the power button.

Unplug the grill from the wall.

## **EVERYDAY GRILL START-UP**

### ! IMPORTANT

ALWAYS allow the grill to reach 150°F before adjusting the temperature.

- Plug the grill in (if unplugged) and turn it on by pressing the POWER button. Display will show "0" and begin it's 0-1-2-3 start-up cycle.
- Allow your grill to reach 150°F before setting your desired temp.
- Set your temp and get cooking!

## **USING YOUR MEAT PROBES**



To use this feature, just plug the connector into the receptacle on the front of the controller.

Lift the stainless flap on the left side of the grill and push the probe through the hole. Then, insert the probe into the center of the food you are cooking. Press food button to display the temperature of that probe. This process takes a minute or two to stabilize.

To return to the grill temperature display, simply press the food button again. If you do not have the probe installed in the control panel, then your digital display will read "NFD" (no food) when you press either probe button. The probe is not suitable for reading temperatures above 257°F (150°C).



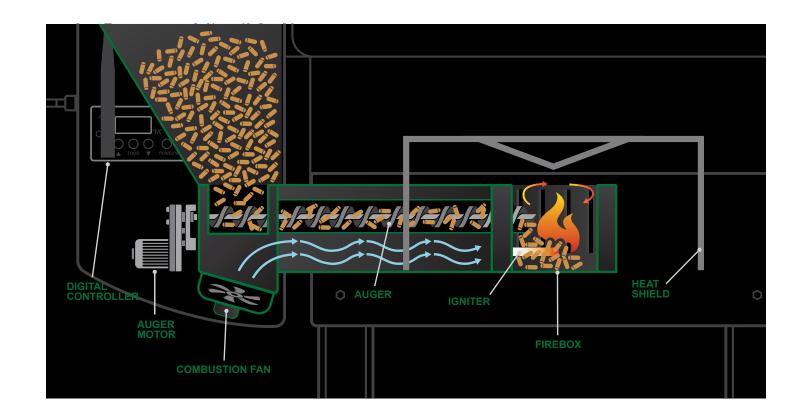
#### **ALWAYS STAY CONNECTED!**

Keeping an eye on your internal meat temps has never been easier.

Use the GMG Prime App to keep an eye on both probe temps at the same time.

Set your desired probe temps to be notified when your meat is done.

# UNDERSTANDING YOUR GRILL



The beauty starts at the core of GMG's 12V Direct Power design. Direct current allows for a micro-adjusted variable speen fan and auger motor that creates more precise temp control, greater fuel economy, and less waste along with increased motor RPM's for quicker pellet feed and faster startups.

The motor turns and auger that feeds pellets into a firebox. There, an igniter in the bottom automatically lights the pellets, and a combustion fan provides oxygen to star the fire.

The Venturi-Style firebox design is lined with vertical vents that create a burn pot cyclone of airflow for maximum heat distribution and complete combustion with minimal waste.

The heat shield that covers the firebox distributes the heat to both sides of the grill, flowing up into the convection style grill chamber. The thermal sensor mounted inside the grill sends data to the on-board computer 10 times every second, and the digital controller adjusts the air and pellet flow to maintain the temperature you set.

## **GRILL POWER SPECS**

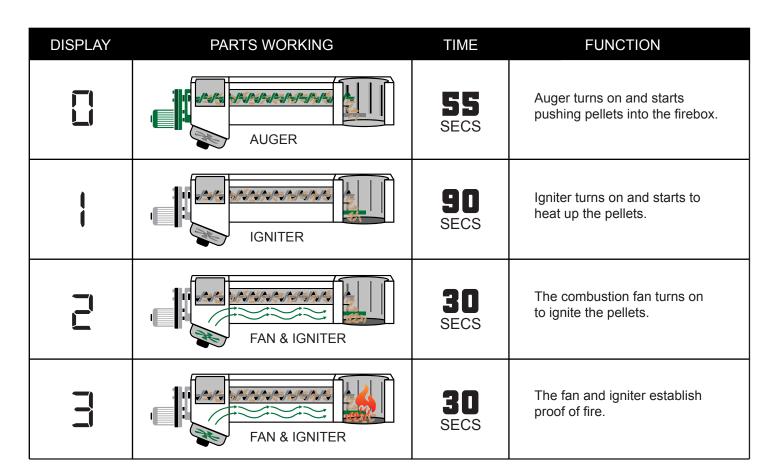
**POWER: 2-145W** 

VOLTAGE: 110-240 VAC 50/60 Hz

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## UNDERSTANDING THE STARTUP CYCLE

In case you have an interest in the grills startup functionality, the chart below shows each ignition state and its function in the 0-1-2-3 startup cycle. The auger run time in stage 0 varies slightly based on ambient temperature.



# **UNDERSTANDING AIR TEMPERATURE**

The PT100 Platinum Sensor sends data to the computer. This "brain" analyzes the data and adjusts the airflow and pellet fuel flow to maintain the set temperature. Many things affect the data gathered by the sensor – opening the lid, wind, grease splatter, humidity, altitude, and gravity (if the grill is not on level ground).

The computer analyzes all the erratic information and averages it over time. Then, it displays the best result as the most accurate representation of the grill's current temperature. This is why an instantaneous air temperature reading from a third-party product does not provide much useful information.

# THE GRILL WILL MAKE ODD SOUNDS

Huffing sounds are normal. The combustion fan inside the hopper will turn on and off regularly to provide the correct amount of oxygen to the fire to maintain your set temp. The motor that propels the auger is fairly powerful and is thus a bit loud. This is all normal operation.

# MAINTAINING YOUR GRILL



CLEAN
ABOUT EVERY
2 - 3 BAGS
80 - 100 LBS
36 - 45 KGS



Keep the inside of the grill clean using a Shop-Vac. This will take only a few minutes. Remove the interior parts and vacuum any ash and residue out of the base of the grill and the firebox.

### **!** BURN CAUTION

- · ALWAYS ENSURE THAT THE GRILL IS COLD AND THE FIRE AND ALL EMBERS ARE OUT BEFORE CLEANING.
- · ALWAYS unplug your grill before performing any cleaning, maintenance, and/or electrical component operations.

### !\ GREASE FIRE CAUTION

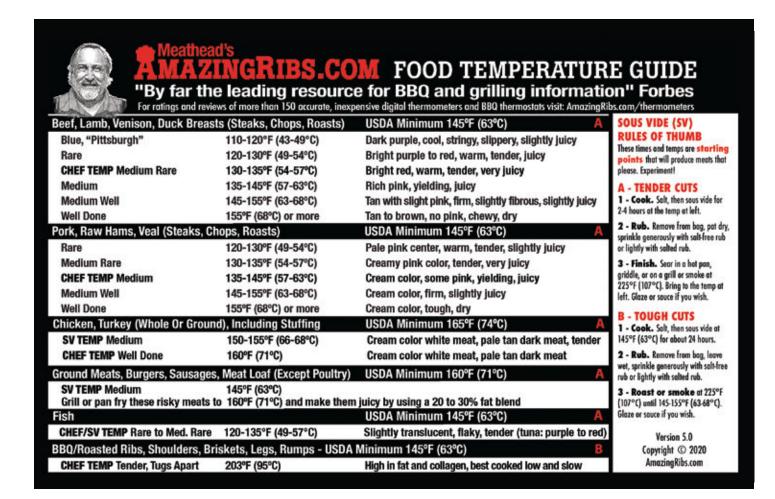
- Clean the grates and grease tray regularly. You can use a wire brush to clean the stainless steel grates. Alternatively, you can use an old camper's trick of wadding a piece of aluminum foil and rubbing it lightly on the grates to clean them.
- As with any barbecue, the potential for a grease fire exists. To reduce this possibility, regularly clean the grease tray to
  prevent flammable buildup. An easy way to do this is to line the tray with aluminum foil. Use multiple sheets on the tray
  and then just peel one off each time you cook.
- Chimney cap. Wipe down the underside of the cap regularly to prevent grease drip.
- Place grill on level ground. The grill should be kept as level as possible so that the grease flows into the trough and
  out into the bucket and also to ensure that the sensor reads evenly, as hot air displaced to one side or the other will
  cause irregular operation.
- Clean ash out of the firebox periodically. If ash covers the igniter, the grill may not light. When you clean out the ash from your firepot, it is not necessary to add in more pellets afterwards. The auger will add in the correct amount of pellets in the start-up cycle.
- Regularly clean the inside of your grill. Remove grease with hot, soapy water or a grill cleaner. Keep liquids away from the auger tube and the pellets. Liquids will drain through the bottom hole. Alternatively, just turn the grill on at 500°F for an hour or more to bake off most internal residues.
- Protect your grill. Use a grill cover as much as possible. Water may be able to get into the hopper in extremely adverse conditions such as high winds or driving sideways rain. Make sure the grill is completely dry before covering.
- Service? Answers to most common questions can be found on our website greenmountaingrills.com/support.

While you will hopefully have no problems, machinery can fail. Fortunately, each part on the grill is modular, so you can easily replace one if necessary.

# **WOOD-FIRED IOL**

- Smoke Flavor: You will get more smoke flavor at low temperatures than at high ones. If you wish to infuse a piece of meat with a smoky flavor, cook it at 150°–160°F for an hour or so before you turn up the grill to finish it off.
- Let Meat Rest. Beef, pork, poultry, and fish will generally continue to cook after you remove them from the grill as the hot outer part of the meat influences the cooler interior. While it seems possible to eat immediately upon finishing your grilling, that seldom works out as a practical matter. Plan for the internal temperature to rise about 5 degrees after you take it off the grill. Also, resting allows the juices to redistribute more evenly throughout the meat.
- **Spritz!** Always spritz your meat. Pork butts and picnic roasts, steaks, burgers, chops, and ribs will all benefit from regular, generous spritzing. A good staple mixture is apple juice plus 2–3 tablespoons of Worcestershire.
- **Be Creative!** You can cook almost anything on this grill. Try pizza, bread, marinated vegetables, casseroles, and cornbread, as well as steaks, roasts, hams, pork chops or tenderloins, wild game, fish, and poultry. Cook anything outside in this appliance that you would cook in your kitchen oven.
- Low Temperature Smoking: For anything you plan to smoke for several hours, we recommend brining it in sugar or salt or both, in the refrigerator for several hours beforehand. This will normally partially cure the meat and should make it safer. We do not recommend smoking poultry below 185°F for health reasons. Cooking it at or above that temperature will still impart a rich, smoky flavor.
- General Cooking Guide. If you're new to grilling, this will help you to get started. These are basic guidelines and temps/times can vary depending on the size of what you're cooking, the initial temperature of the food when you put it in, how often you open the lid, and other variables. ALWAYS COOK MEAT TO A SAFE INTERNAL TEMPERATURE. RECIPES ARE ONLY GUIDELINES.

FOOD	METHOD	TEMP	TIME
Brats	Grill	450° - 500°F	5 - 10 mins/side
Brisket	Slow-Cook	225° - 240°F	8 - 16 hrs
Burgers	Grill	450° - 500°F	7 - 10 mins/side
Chicken - Pieces	Grill	375° - 425°F	15 - 20 mins/side
Chicken - Whole	Roast	275° - 325°F	1.5 - 2.5 hrs
Fish	Grill	375° - 425°F	7 - 20 mins/side
Hot Dogs	Grill	450° - 500°F	5 - 7 mins/side
Jerky	Smoke	150° - 170°F	4 - 6 hrs
Pizza	Bake	400° - 450°F	14 - 18 mins
Pork Butts/Picnics	Slow-Cook	225° - 240°F	8 - 16 hrs
Ribs	Roast	200° - 250°F	4 - 8 hrs
Roast Beef	Roast	250° - 300°F	1.5 - 3.5 hrs
Salmon - Smoked	Smoke	150° - 175°F	6 - 10 hrs
Steaks	Grill	450° - 500°F	4 - 10 mins/side



# **GENERAL OPERATING TIPS**

- Setting the Temperature: Do not push any buttons until the computer finishes the 0-1-2-3 cycles and automatically goes to 150°F (66°C). Once it reaches 150°F (66°C), you can change to your desired setting.
- Time to Reach Temperature: It should take about 15 minutes from the time you first turn the grill on until it achieves the temperature you set. Make sure not to adjust the temperature until it reaches 150°F first. Time to heat up will vary based on the ambient air temperature.
- Temperature Range: You can set the grill as low as 150°F or as high as 550°F.
- **Grill Ready:** Wait until the grill heats up before cooking. Aside from the soot contained in earlier smokes, the grill will not cook evenly until it gets hot, just as with a charcoal or gas grill. A slowly blinking light on the digital control panel indicates that the grill has achieved the target temperature, while no light means the grill is still heating or cooling.
- **Heat Distribution:** If you are experiencing larger left-to-right temperature discrepancies, the heat shield can be moved along the belly of the grill left or right to assist with these differences. See our recommended heat shield positioning in the assembly guide. A centered heat shield placement is best for even heat distribution.

The grill temperature will climb fairly rapidly. The temperature, however, falls much more slowly. This is because the fire must be kept going at all costs, which results in a fairly slow fall in inside temperature. Here, too, you can speed the process by opening the lid to let excess heat escape.

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#### NEVER INCREASE TEMPERATURE UNTIL IT REACHES THE 150°F MARK.

• The grill needs to make P.O.F (Proof of Fire) which is 5 degrees above ambient temperature. At that point the board will turn the igniter off and start the auger motor to guide the grill up to 150°F. It is imperative for the grill lid to be closed for this to happen.

ONCE THE GRILL HAS REACHED 150°F. YOU MAY INCREASE TO YOUR DESIRED TEMPERATURE.

- If there is not a 5° increase within 20 minutes the grill will display FAL. At this point see page 22 of the troubleshooting section.
- **Temperature Variances**: The temperature on the digital readout reflects the temperature at at the sensor located in the top center of the grill cavity. If you use supplemental thermometers to read the temperature, they may vary from the grill's data depending on where you locate yours.
- Weather: ALWAYS keep your grill out of rain and snow when not in use. A grill cover will clearly help the situation, but the garage seems more fool-proof.
- **Keep the Lid Closed When Cooking.** The grill cooks with convection heat, so an open lid only dissipates heat into the atmosphere. "If you're lookin', you're not cookin'."
- **Pellet Checking**: Be sure to keep pellets in the hopper! Check your hopper occasionally so that your grill does not go out in the middle of cooking your meal.
- Pellet Storage: Store your pellets in a cool, dry place.
- Bypass Mode for Hot Restarts: Occasionally, you may experience a power outage while the grill is in use, or someone accidentally turns the grill off, or you undercook something and want to resume cooking for a little longer.

ONLY use this procedure if power is lost and a fire is still in the grill or for testing parts.

Use this method if you still have some fire left in the firebox, which is usually no longer than about 6–7 minutes later. If you have run the fan mode for more than about 3–4 minutes, this will not work.

If necessary, make sure the grill is plugged in first. When the digital readout displays off, press the red power button to turn the grill back on. Once the display reads "0" hold the power button for approximately 7 seconds, or until the digital readout displays a temperature. Now adjust the temperature to your desired setting.

• **Powering Down:** Simply press the red power button and your grill will automatically go into fan mode. Allow fan mode to complete which takes about 15 mins. Once the fan mode is complete the display will read "oFF." You can leave the grill plugged in for easier power up of your next cook or unplug it if you prefer.

# TROUBLESHOOTING



Grill doesn't turn on when you press the power button.



Check to make sure the power cord is plugged in. Make sure you have turned on the ON-OFF switch located underneath the back side of the hopper.

Check the circuit breaker and/or GFCI on the circuit the adapter is plugged into. Plug a small appliance into the same outlet to see if you have electricity.



Grill doesn't come up to temperature.



If grill remains at ambient temperature...

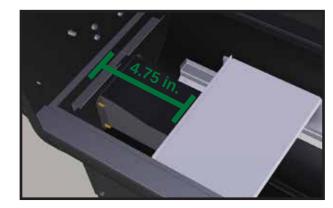
Check the firebox to see if it has overflowed with pellets. If it has, clean it out and start over. **Before you restart**, **you must make certain that the firebox is clean.** This overfill can result from turning the grill off without using the fan mode or from charging the firebox when it does not need to be charged. Reread the section on "Priming the Firebox" on pg. 12 to understand that. You only need to prime the firebox the first time you use the grill or on any subsequent occasions when it runs out of pellets and the auger runs until empty.



If the grill lights, but does not reach the set temperature...

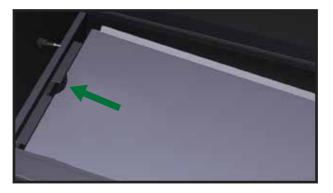
Check the combustion fan to ensure it spins freely and there is no damage to the blades.

Ensure the heat shield is properly installed.



Improper shield placement will result in issues coming to temperature. When using the heat shield adjustment rod, a centered heat shield should be positioned approximately at the "0" mark on the rod, setting the heat shield roughly 4.75 in. (120.65 mm) from the left inside grill wall. The depth to which the rod is threaded into the receiving nut varies, so some experimenting might be needed to find the perfectly adjusted center point on your rod.

Ensure the grease tray is installed correctly.



Install the grease tray with the half-moon cut-out to the left. This ensures proper travel of grease into your grease trough. For easy clean up, wrap the grease tray in tin foil.



### Erratic temperature.



If the digital display reads "SEN" or shows rapid fluctuation in temperature (faster than the grill could realistically increase/decrease its internal temperature). Contact us at support@greenmountaingrills.com

Otherwise, check to make sure you do not have aluminum foil on the grease tray that is covering the half-moon cutout on the left side. It is okay to wrap your tray in foil. However it must be wrapped tightly to the metal. The half-moon cutout on the left side must be punched out of the foil to ensure proper airflow.

A simple way to check the thermal sensor is to look at the initial temperature reading the grill gives after the 0-1-2-3 start-up process. This temperature should be close to the ambient air temperature since the grill has not yet had a chance to heat up.

Improper heat shield placement may result in issues getting up to your set temperature. When using the heat shield adjustment rod, a centered heat shield should be positioned approximately at the "0" mark on the rod. The depth to which the rod is threaded into the receiving nut varies, so some experimenting might be needed to find the perfectly adjusted "0" point on your rod.

Ensure the grease tray is installed correctly. See the previous page for proper installation.



#### Smoke is coming out of the hopper.



Make sure there are pellets in the hopper.

Make sure your burn pot is empty of ash and pellets.

Make sure the hopper lid stays closed when you have the grill on. Simply lock it shut.

You can test this by running 2 sheets of tin foil over your hopper then closing the lid down on top of the foil to make a temporary seal, hopefully preventing smoke from traveling through your hopper.

Ensure the combustion fan spins freely and is not damaged.

Ensure the pellet dump door is closed tight.



#### No pellets in the firebox.



Assuming that you've charged the firebox so that there are pellets in the auger tube, turn the grill on and press the power button to send the control to cycle 0. Examine the auger bit through the firebox to see if it's turning.

If it is and there aren't any pellets coming through, they are bridged up over the auger's intake. Turn the grill off, sift the pellets around inside the hopper, and put the grill back into cycle 0. Wait until the pellets emerge into the firebox. It may take up to 4 full cycle 0's to get pellets all the way through the auger tube. Once they emerge, turn the grill off and start it again all the way through the 0-1-2-3 cycles to fire it up.

It may take more if the auger is not turning. Listen for the auger motor. If the auger motor is engaged and the auger bit is not turning, then there is a broken linkage between the motor and the auger shaft. Contact technical support at support@greenmountaingrills.com.



#### Uneven heating.



Uneven heat can be corrected by making small adjustments to your heat shield placement. Try sliding the shield toward the hot side in ¼ inch increments while taking note of the temperature changes. Using the Heat shield adjustment rod, a centered heat shield should be positioned approximately at the "0" mark on the rod. The depth to which the rod is threaded into the receiving nut varies, so some experimenting might be needed to find the perfectly adjusted "0" point on your rod. Once you find the best heat shield placement, we encourage you to mark that distance on the heat shield adjustment rod. That way, you can subsequently repeat the positioning whenever the grill is relocated or the burn pot is cleared internally.

#### Grill didn't light (FAL message).

There may be too much ash in the firebox. Wait until it cools off, and clean out the ash. Alternatively, pellets may have overfilled the firebox. Never turn the grill off and on repeatedly as this will overfill the firebox with pellets. Each time the grill displays "0" on start-up, it feeds a full load of pellets into the firebox. The igniter won't light the pellets unless air can flow freely through the combustion chamber.

The combustion fan may not have been operating. Check to make sure that the fan blades turn freely and the fan runs on cycles 2 and 3 of the 0-1-2-3 sequence.

The auger might not have turned pellets into the firebox. Refer to "No pellets in the firebox" on the last page.

If there isn't any ash or pellet buildup, the fan works properly, and fresh pellets are feeding in, your igniter is most likely out and the grill will require a replacement igniter.

\*The grill can be manually lit if the igniter is out. Charge the burn pot with a handful of pellets, and light them with a propane torch. Once the pellets are able to maintain a flame by themselves, plug the grill in so it displays "off." Hold the "power" button for 10 seconds. The grill will initially display "0" but then skip to a temperature reading while turning on the fan and auger. Let the grill come to 150 then select your grilling temperature like normal.

#### Auger is jamming.

Turn the grill into cycle 0 by pressing the "power" button (first stage of the normal start-up procedure), and listen for the auger motor. If the motor engages, look inside your firebox toward the end of the auger bit to determine if the auger is spinning. If the auger is spinning but you don't have pellets feeding into the burn pot, you have pellets bridged up over the intake of the auger tube. Turn the grill off, sift the pellets around inside the hopper, and put the grill back into cycle 0. Wait until the pellets emerge into the firebox. It may take up to 2 full cycle 0's to get pellets all the way through the auger tube.

If you have determined that your auger does not turn when the auger motor is engaged, you can try to work the affected pellets through the auger tube to clear out the jam. Remove the grease tray and heat shield from the body of the grill. Remove all the pellets from the hopper and the firebox.

Once the auger tube is clear, you will need to refill it with fresh pellets by running cycle 0 a few more times after the hopper has been filled. Once you see fresh pellets coming out, turn off the grill and start it up again through the entire 0-1-2-3 process with the heat shield and grease tray installed.

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### Combustion fan doesn't seem to be working properly.



There's no need for concern if your fan is not blowing at a constant speed. It will run at many RPMs in order to maintain the most stable temperature.

The fan should run continuously from cycle 2 on start-up until the grill completes the fan mode.

First, unplug the grill. Then, using your finger, flick the fan to make sure it spins freely and does not appear to have any visible damage. If there is any damage to the blades, your grill will require a new combustion fan.

Check the wires leading to the combustion fan to make sure those connections are secure and undamaged.



#### **Temperature**



Temperature is an immediate measurement. If you open the lid for an extended period of time, the unit will drop in temperature and feed accordingly to compensate. Depending on the time the lid is open, the unit will overshoot set temperature after the lid is closed. The temperature will level out over time. This is normal operation.

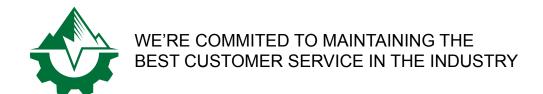


### **Grease Management**



We recommend using foil over the grease tray leaving air flow open from both the front and back around the grease tray. It is also imperative to not cover the hole in the grease tray if covering with foil. Grease should always flow from left to right into the right side trough and into the bucket on the outside of the unit.

# **CUSTOMER SUPPORT**



For troubleshooting, service parts, & general grill support check out our support page:





Have a question?



Contact us at: support@greenmountaingrills.com

Need help with assembly & setup?



GREENMOUNTAINGRILLS.COM/SUPPORT



This LIMITED WARRANTY covers defects in workmanship and materials for a period of three (3) years from the date of first retail purchase. During the warranty period, GMG Products, LLC (dba Green Mountain Grills) will replace or repair, at its sole option, any defective Green Mountain grill returned to us, or to one of our dealers, by its original purchaser. Any claims under this warranty must be received by the expiration of the warranty period.

This warranty does not cover problems that result from abuse, accident, misuse, or problems with electrical power. It does not over cosmetic elements and components, such as paint and other finishes. It does not cover uses not in accordance with the instruction manual. It does not cover commercial use of the product. It specifically excludes products for which Green Mountain Grills has not received payment.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE (PROVINCE TO PROVINCE IN CANADA). GREEN MOUNTAIN GRILLS RESPONSIBILITY FOR DEFECTS IN MATERIAL AND WORKMANSHIP SHALL BE LIMITED TO REPAIR AND/OR REPLACEMENT AS SET FORTH IN THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES AND WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. NO OTHER WARRANTIES ARE PROVIDED.

IN NO EVENT WILL GMG PRODUCTS, LLC (dba GREEN MOUNTAIN GRILLS) HAVE ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER TO THE ORIGINAL PURCHASER OR WITH RESPECT TO ANY THIRD-PARTY CLAIMS FOR DAMAGES AGAINST THE RETAIL PURCHASER OF THIS PRODUCT. SOME STATES (PROVINCES IN CANADA) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS MAY NOT APPLY TO YOU.

To exercise your rights under this warranty, contact the dealer from whom you purchased it, or call us at 530-347-9167.

WHEN THE GRALL IS ON

REGISTER YOUR WARRANTY HERE: greenmountaingrills.com/warranty-registration