

OWNER'S MANUAL
MANUEL DE L'UTILISATEUR | MANUAL DEL PROPIETARIO

MODEL / MODÈLE / MODELO: PB1230GW
PART / PIÈCE / PARTE: 10915



PIT BOSS® NAVIGATOR

WOOD PELLET & GAS COMBO

IMPORTANT, READ CAREFULLY, RETAIN FOR FUTURE REFERENCE. MANUAL MUST BE READ BEFORE OPERATING!

BARBECUE À GRANULÉS DE BOIS ET À GAZ

IMPORTANT, PRENEZ CONNAISSANCE DE CE DOCUMENT ET CONSERVEZ-LE POUR RÉFÉRENCE ULTÉRIEURE VOUS DEVEZ LIRE CE GUIDE AVANT D'UTILISER LE BARBECUE !

UNIDAD COMBINADA DE GRÁNULOS DE MADERA Y GAS

IMPORTANTE, LEA DETENIDAMENTE, CONSERVE PARA REFERENCIA FUTURA. ¡DEBE LEER EL MANUAL ANTES DE LA OPERACIÓN!

For outdoor and household use only. Not for commercial use.
Réservé à l'usage extérieur et résidentiel uniquement. Non destiné à un usage commercial.
Solo para uso doméstico y en el exterior. No apto para uso comercial.



WARNING: PLEASE READ THE ENTIRE MANUAL BEFORE INSTALLATION AND USE OF THIS ELECTRIC, 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 IN YOUR AREA.

AVERTISSEMENT : VEUILLEZ LIRE L'INTÉGRALITÉ DU MANUEL AVANT L'INSTALLATION ET L'UTILISATION DE CET APPAREIL ÉLECTRONIQUE À GRANULES. LE NON-RESPECT DE CES INSTRUCTIONS PEUT ENTRAÎNER DES DOMMAGES AUX BIENS, DES BLESSURES OU MÊME LA MORT. COMMUNIQUEZ AVEC LES AUTORITÉS LOCALES EN MATIÈRE D'INCENDIE ET DE BÂTIMENT CONCERNANT LES RESTRICTIONS ET LES EXIGENCES D'INSTALLATION DANS VOTRE RÉGION.

ADVERTENCIA: LEA EL MANUAL COMPLETO ANTES DE INSTALAR Y UTILIZAR ESTE APARATO ELÉCTRICO PARA QUEMAR PELLETS DE COMBUSTIBLE. INCUMPLIR ESTAS INSTRUCCIONES PODRÍA CAUSAR DAÑOS MATERIALES, LESIONES CORPORALES, E INCLUSO LA MUERTE. CONSULTE A SUS FUNCIONARIOS LOCALES DE CONSTRUCCIÓN Y CONTROL DE INCENDIOS PARA INFORMARSE SOBRE LAS RESTRICCIONES Y LOS REQUISITOS DE INSPECCIÓN DE INSTALACIONES EN SU REGIÓN.



SMOKE IT

SAFETY INFORMATION

MAJOR CAUSES OF APPLIANCE FIRES ARE A RESULT OF POOR MAINTENANCE AND A FAILURE TO MAINTAIN REQUIRED CLEARANCE TO COMBUSTIBLE MATERIALS. IT IS OF UTMOST IMPORTANCE THAT THIS PRODUCT BE USED ONLY IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS.

Please read and understand this entire manual before attempting to assemble, operate or install the product. This will ensure you receive the most enjoyable and trouble-free operation of your new wood pellet grill. We also advise you retain this manual for future reference.

PROPANE GAS WARNINGS

<p>⚠ DANGER</p> <p>If you smell gas:</p> <ul style="list-style-type: none"> • Shut off gas to the appliance. • Extinguish any open flame. • Open lid. • If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department. 	<p>⚠ WARNING</p> <ul style="list-style-type: none"> • 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. 	<p>INSTALLATION CODES</p> <ul style="list-style-type: none"> • 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 54, Natural gas and propane installation code, CSA B149.1, or propane storage and handling code, B149.2. • LP gas grill models are designed for use with a standard 20 lbs (9 kg) liquid propane gas cylinder, to the dimensions of 18-1/4" (46.35 cm) high, 12-1/4" (31 cm) diameter., not included with grill. Never connect your gas grill to an LP gas cylinder that exceeds this capacity.
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1. Ensure the gas cylinder is purchased by a reputable supplier. An incorrectly filled or an overfilled LP gas cylinder can be dangerous. The overfilled condition combined with the warming of the LP gas cylinder (a hot summer day, gas cylinder left in the sun, etc.) can cause LP gas to be released since the temperature increase causes gas to expand. Gas released from the cylinder is flammable and can be explosive.
2. The tank supply system must be arranged for vapor withdraw. The LP gas tank used must have a collar to protect the tank valve. Do not use an LP gas cylinder if it has a damaged valve or shows signs of dents, gouges, bulges, fire damage, corrosion, leakage, excessive rust, or other forms of visual external damage; it may be hazardous and should be checked immediately by a liquid propane supplier.

If you see, smell, or hear the hiss of gas escaping from the cylinder, do not attempt to light appliance. Extinguish any open flame. Disconnect from fuel supply.

3. Do not connect or disconnect the gas cylinder while the unit is in use or is still hot. When the grill is not in use, ensure regulator knob is turned to OFF and disconnect the gas cylinder. Never move or transport the unit while the gas cylinder is attached. Do not store a spare LP gas cylinder under or near the appliance.
4. Cylinders must be stored outdoors out of reach of children and must not be stored in a building, garage, or any other enclosure area.
5. Always check for gas leaks when you connect and disconnect the regulator to the gas cylinder, especially after a period of storage (for example, over winter). Check all connections for leaks with a soapy water solution and brush. Never use an open flame to check for leaks.
6. This outdoor grill is not intended for installation in/on recreation vehicles or boats.

Never use this appliance in an enclosed space, such as a camper, tent, car, boat or home. This appliance is not intended for and should never be used as a heater.

7. Do not obstruct the flow of combustion and ventilation air to this appliance. Keep the burner tube and portholes clean and free from debris. Clean before use. Regular care and maintenance is required to prolong the lifespan of your unit.
8. Clean and inspect the gas regulator before each use of the outdoor cooking gas appliance. Replace the gas regulator prior to being used if there is evidence of excessive abrasion or wear. Use only the gas regulator assembly that has been supplied with this gas grill. Do not use a regulator from another manufacturer.

Do not use lava rock, wood chunks, charcoal, lighter fluid, alcohol or other similar chemicals for lighting or relighting. Keep all such substances and liquids well away from appliance when in use.

9. Operate this appliance using liquefied petroleum only, which is also specified on the rating label on the unit. Do not attempt to operate your grill on other gases. Do not attempt to convert this LP unit to natural gas. Failure to follow this warning could lead to fire, bodily harm, and will void your warranty.
10. 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.
11. The liquefied petroleum (LP) cylinder must be constructed and marked in accordance with the specifications for LP Gas Cylinders of the U.S. Department of Transportation (D.O.T.) or the National Standard of Canada, CAN/CSA-B339, Cylinders, Spheres and Tubes for Transportation of Dangerous Goods; and Commission. Gas cylinder must also be provided with a listed overfilling prevention device.
12. 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.

DANGERS AND WARNINGS

You must contact your local home association, building or fire officials, or authority having jurisdiction, to obtain the necessary permits, mission or information on any installation restrictions, such as any grill being installed on a combustible surface, inspection requirements or even ability to use, in your area.

1. A minimum clearance of 914 mm (36 inches) from combustible constructions to the sides of the grill, and 914 mm (36 inches) from the back of the grill to combustible constructions must be maintained. **Do not install appliance on combustible floors, or floors protected with combustible surfaces unless proper permits and permissions are obtained by authorities having jurisdiction.** Do not use this appliance indoors or in an enclosed, unventilated area. This wood pellet appliance must not be placed under overhead combustible ceiling or overhang. Keep your grill in an area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Should a grease fire occur, turn the grill OFF and leave the lid closed until the fire is out. Unplug the power cord from the connected outlet. Do not throw water on the unit. Do not try to smother the fire. Use of an all-class (class ABC) approved fire extinguisher is valuable to keep on site. If an uncontrolled fire does occur, call the Fire Department.

2. Keep electrical supply cords and the fuel away from heated surfaces. Do not use your grill in the rain or around any water source. To protect against electric shock, do not immerse cord or plugs in water or other liquid.
3. When connecting, first connect plug to the outdoor cooking gas appliance then plug appliance into the outlet. Use only a Ground Fault Interrupter (GFI) protected circuit with this outdoor cooking gas appliance. Never remove the grounding plug or use with an adapter of 2 prongs and use only extension cords with a 3 prong grounding plug, rated for the power of the equipment, and approved for outdoor use with a W-A marking.
4. Do not let the cord hang over the edge of a table or touch hot surfaces. Unplug from the outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts. Do not operate any outdoor cooking gas appliance with a damaged cord, plug, or after the appliance malfunctions or has been damaged in any manner. Contact the manufacturer for repair. Do not use an outdoor cooking gas appliances for purposes other than intended.
5. After a period of storage, or non-use, check the burn grate for obstructions, the hopper for foreign objects, and any air blockage around the fan intake, chimney, or rear barrel exhaust holes. Clean before use. Regular care and maintenance is required to prolong the lifespan of your unit. **If the grill is stored outside during the rainy season or seasons of high humidity, care should be taken to insure that water does not get into the hopper.** When wet or exposed to high humidity, wood pellets will expand greatly, decompose, and may jam the feed system. Always disconnect the power, before performing any service or maintenance.

Do not transport your grill while in use or while the grill is hot. Ensure the fire is completely out and that the grill is completely cool to the touch before moving.

6. It is recommended to use heat-resistant barbecue mitts or gloves when operating the grill. Do not use accessories not specified for use with this appliance. Do not put a barbecue cover or anything flammable in the storage space area under the barbecue.
7. To prevent fingers, clothing or other objects from coming in contact with the auger feed system, the appliance is equipped with a metal safety screen, mounted to the interior of the hopper. This screen must not be removed unless directed by Customer Care or an authorized dealer.

This appliance is not recommended for children, persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are under direct supervision or instruction by a person responsible for their safety.

8. Parts of the barbecue may be very hot and serious injury may occur. Keep young children and pets away while in use.
9. Do not enlarge igniter holes or Burn Pots. Failure to follow this warning could lead to a fire hazard and bodily harm and will void your warranty.
10. Product may have sharp edges or points. Contact may result in injury. Handle with care.

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 non-combustible floor or on the ground, well away from all combustible materials, pending final disposal. When ashes are disposed by burial in soil, or otherwise locally dispersed, they should be retained in a closed container until all cinders have thoroughly cooled.

WOOD PELLET FUEL

This pellet cooking appliance is designed and approved for pelletized, all natural, wood fuel only. Any other type of fuel burned in this appliance will void the warranty and safety listing. You must only use all natural wood pellets, designed for burning in pellet barbecue grills. Do not use fuel with additives. Wood pellets are highly susceptible to moisture and should always be stored in an airtight container. If you are storing your grill, without use, for an extended period, we recommend clearing all pellets from your grill's hopper and auger, to prevent jams. The pellet fuel mean heating value in 8000-8770 BTU/LB, ash content < 1%.

**Do not use spirit, petrol, gasoline, lighter-fluid or kerosene for lighting or refreshing a fire in your grill.
Keep all such liquids well away from the appliance when in use.**

At time of printing, there is no industry standard for barbecue wood pellets, although most pellet mills use the same standards to make wood pellets for domestic use. Further information can be found at www.pelletheat.org or the *Pellet Fuel Institute*.

Contact your local dealer on the quality of pellets in your area and for information on brand quality. As there is no control over the quality of pellets used, we assume no responsibility to damage caused by poor quality of fuel.

CREOSOTE

Creosote, or soot, is a tar-like substance. When burning, it produces black smoke with a residue which is also black in color. Soot or creosote is formed when the appliance is operated incorrectly, such as: blockage of the combustion fan, failure to clean and maintain the burn area, moisture affected pellets, or poor air-to-fuel combustion.

It is dangerous to operate this appliance should the flame become dark, sooty, or if the Burn Pot is overfilled with pellets. When ignited, this creosote makes an extremely hot and uncontrolled fire, similar to a grease fire. Should this happen, turn the unit OFF, let it cool completely, then inspect for maintenance and cleaning. It commonly accumulates along exhaust areas.

If creosote has formed within the unit, allow the unit to warm up at a low temperature, turn off the appliance, then wipe away any formation with a hand towel. Similar to tar, it is much easier to clean when warm, as it becomes liquid.

CARBON MONOXIDE ("THE SILENT KILLER")

Carbon monoxide is a colorless, odorless, tasteless gas produced by burning gas, wood, propane, charcoal or other fuel. Carbon monoxide reduces the blood's ability to carry oxygen. Low blood oxygen levels can result in headaches, dizziness, weakness, nausea, vomiting, sleepiness, confusion, loss of consciousness or death. Follow these guidelines to prevent this colorless, odorless gas from poisoning you, your family, or others:

- See a doctor if you or others develop cold or flu-like symptoms while cooking or in the vicinity of the appliance. Carbon monoxide poisoning, which can easily be mistaken for a cold or flu, is often detected too late.
- Alcohol consumption and drug use increase the effects of carbon monoxide poisoning.

Carbon monoxide is especially toxic to mother and child during pregnancy, infants, the elderly, smokers, and people with blood or circulatory system problems, such as anemia, or heart disease.

SAFETY LISTING

In accordance with the procedures and specifications listed in the UL 2728A-2019 "pellet fuel burning cooking appliances" and ULC/ORD C2728-19 "pellet fuel burning equipment." Pit Boss® Grills pellet cooking appliances have been independently tested and listed by CSA (an accredited testing laboratory) to UL and ULC standards. Conforms to ANSI Z21.58-2018 / CSA 1.6-2018 Outdoor Cooking Gas Appliances.



FCC COMPLIANCE STATEMENT

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Dansons

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ENGLISH

OPERATING INSTRUCTIONS

With today's lifestyle of striving to eat healthy and nutritious foods, one factor to consider is the importance of reducing fat intake. One of the best ways to cut down on fat in your diet is to use a low fat method of cooking, such as grilling. As a pellet grill uses natural wood pellets, the savory wood flavor is cooked into the meats, reducing the need for high sugar content sauces. Throughout this manual, you will notice the emphasis on grilling food slowly at LOW or MEDIUM temperature settings.

GRILL ENVIRONMENT

1. *WHERE TO SET-UP THE GRILL*

With all outdoor appliances, outside weather conditions play a big part in the performance of your grill and the cooking time needed to perfect your meals. All Pit Boss® units should keep a minimum clearance of 914 mm (36 inches) from combustible constructions and this clearance must be maintained while the grill is operational. This appliance must not be placed under an overhead combustible ceiling or overhang. Keep your grill in an area clear from combustible materials, gasoline and other flammable vapors and liquids.

2. *COLD WEATHER COOKING*

As it becomes cooler outside, that does not mean that grilling season is over! Follow these suggestions on how to enjoy your grill throughout the cooler months:

- If smoking at low temperatures fails, increase the temperature slightly to achieve the same results.
- Organize – Get everything you require ready in the kitchen before you head outdoors. During the winter, move your grill to an area that is out of the wind and direct cold. Check local bylaws regarding the proximity of your grill in relation to your home and/or other structures. Put everything you need on a tray, bundle up tight, and get it done!
- To help keep track of the outside temperature, place an outdoor thermometer close to your cooking area. Keep a log or history of what you cooked, the outdoor temperature, and the cooking time. This will help later down the road to help you determine what to cook and how long it will take.
- In very cold weather, increase your preheating time by at least 20 minutes.
- Avoid lifting the lid any more than necessary. Cold gusts of wind can completely cool your grill temperature. Be flexible with your serving time; add extra cooking time each time you open the lid.
- Have a heated platter or a dish cover ready to keep your food warm while making the trip back inside.
- Ideal foods for winter cooking are those that require little attention, such as roasts, whole chickens, ribs, and turkey. Make your meal preparation even easier by adding simple items such as vegetables and potatoes.

3. *HOT WEATHER COOKING*

As it becomes warmer outdoors, the cooking time will decrease. Follow these few suggestions on how to enjoy your grill throughout the hot months:

- Adjust your cooking temperatures downward. This helps to avoid unwanted flare-ups. Even in hot weather it is still better to cook with the lid of your grill down.
- Use a meat thermometer to determine the internal temperature of your foods. This helps in preventing your meat from over cooking and drying out.
- You can keep foods hot by wrapping them in foil, and placing them in an insulated cooler. Stuff crumpled up newspaper around the foil and this will keep food hot for 3 to 4 hours.

GRILL TEMPERATURE RANGES

Temperature readouts on the control board may not exactly match the thermometer. All temperatures listed below are approximate and are affected by the following factors: outside ambient temperature, the amount and direction of wind, the quality of pellet fuel being used, the lid being opened, and the quantity of food being cooked.



HIGH TEMPERATURES

205-260°C / 401-500°F

This range is best used to sear and grill at a high heat. The air circulates around the barrel, resulting in fan-forced convection heat. High temperature is also used to burn-off the cooking grids and to achieve high heat in extreme cold weather conditions.



MEDIUM TEMPERATURES

135-180°C / 275-356°F

This range is best for baking, roasting, and finishing off that slow smoked creation. Cooking at these temperatures will greatly reduce the chances of a grease flare-up. Great range for cooking anything wrapped in bacon, or where you want versatility with control.



LOW TEMPERATURES

82-125°C / 180-257°F

This range is used to slow roast, increase smoky flavor, and to keep foods warm. Infuse more smoke flavor and keep your meats juicy by cooking longer at a lower temperature (also known as **low and slow**). Recommended for the big turkey at Thanksgiving, juicy ham at Easter, or the huge holiday feast.

Smoking is a variation on true barbecuing and is truly the main advantage of grilling on a wood pellet grill. **Hot smoking**, another name for **low and slow** cooking, is generally done between 82-125°C / 180-257°F. Hot smoking works best when longer cooking time is required, such as large cuts of meats, fish, or poultry.

TIP: To intensify that savory flavor, switch to a low temperature range immediately after putting your food on the grill. This allows the smoke to penetrate the meats.

The key is to experiment with the length of time you allow for smoking, before the meal is finished cooking. Some outdoor chefs prefer to smoke at the end of a cook, allowing the food to keep warm until ready to serve. Practice makes perfect!

CONNECTING TO A GAS SUPPLY

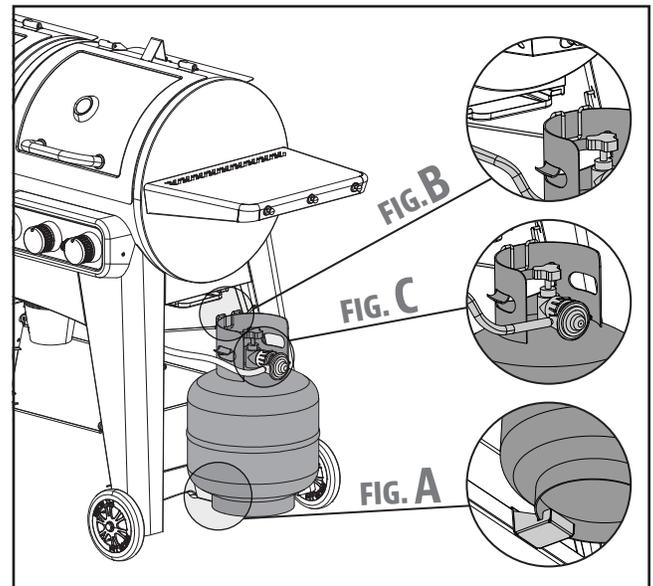
GAS CYLINDER REQUIREMENTS

The grill is set and tested with liquid propane gas only. The regulator supplied is set for 27.94 cm (11 inch) water column (WC) and is for use with liquid propane (LP) gas only. The factory-supplied regulator and hose must be used with a 9 kg (20 lbs) LP gas cylinder, to the dimensions of 18-1/4" (46.35 cm) high, 12-1/4" (31 cm) diameter. **Contact your gas supplier for a special regulator for bulk gas that fuels other appliances.**

CAUTION: It is important to inspect the full length of the gas line hose. If it is evident there is excessive abrasion or wear, or the hose is cut, the hose must be replaced prior to the appliance being used. The replacement hose assembly shall be that specified by the manufacturer.

INSTALLING A GAS CYLINDER

1. Make sure the gas cylinder valve is in the CLOSED position.
 - From the side of the cart, place foot ring of gas cylinder onto the gas cylinder bracket. Note Fig. A.
 - Use the gas cylinder wire retainer to secure the gas cylinder in a fixed position. Note Fig. B.
2. On all units, it is important to ensure the gas cylinder is completely upright, as it is unsafe to operate the grill if the gas cylinder is not installed properly.
3. Ensure the regulator valve on the grill is completely closed by turning the knob clockwise to the "O" position.
4. Remove the protective caps from the regulator valve opening and the top of the gas cylinder. Save the caps. Check the gas cylinder to assure it has proper external male threads (type 1 connection per ANS Z21.81).
5. Insert the gas cylinder valve into the threaded opening of the regulator valve. Turn the quick coupling nut clockwise until firm. Hand-tighten only. Note Fig. C.
6. Gas cylinder is now installed.



The outdoor grill, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes with the National Electrical Code ANS/NFPA 70, or Canadian Electrical Code, CSA C22.1.

1. Do not store a spare LP gas cylinder under or near this appliance.
2. Never fill the gas cylinder beyond 80 percent full.
3. If the information in 1) and 2) is not followed exactly a fire causing death or serious injury may occur.
4. 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.
5. The LP gas cylinder used must have a collar to protect the gas cylinder valve.
6. Always keep the LP cylinder at 90 degrees (upright) orientation to provide vapor withdrawal.

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.

PREPARATION FOR USE – LEAK TESTING

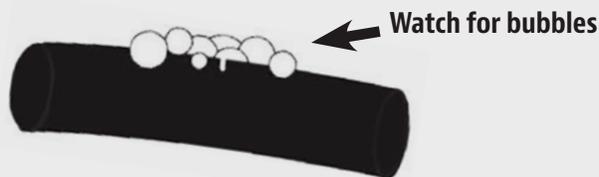
A leak test is used to determine the integrity of a seal. Before using your gas grill, perform a leak test on the connection between the regulator and the gas cylinder to reduce the risk of serious bodily injury or death from fire or explosion. A leak test should be performed a minimum of once a season, as well as:

- before lighting your grill for the first time,
- every time the gas cylinder has been changed,
- after travel, especially over rough or bumpy roads,
- after a prolonged period of storage or non-use.

HOW TO PERFORM A LEAK TEST

Supplies Required:

- 1 x Bowl (*empty, clean*)
- 1 x Paint Brush (*clean*)
- Dish Washing Liquid
- Water



Procedure:

1. Position the grill in a well-ventilated area. Ensure the grill is cool to the touch, and not in use. Verify that the regulator valve is turned to the "O" position and that the gas cylinder is tightened securely to the regulator.

IMPORTANT: Ensure there is no open flame or smokers nearby.

2. Mix a solution of one part of water with one part of dish washing liquid in a bowl. The solution will make bubble, as it will be concentrated.
3. Use a paint brush to apply the solution onto the seal between the regulator and the gas cylinder. Visually inspect for streams of bubbles coming from a defect or break in the seal.

NOTE: If a leak appears, repeat gas cylinder installation procedure, but do not over-tighten. Hand-tighten only. Repeat leak test after re-installation to ensure seal is secure.

IMPORTANT: Do not use the gas grill if you detect a gas leak that cannot be corrected by using the leak test procedure. Contact your local Fire Department or Customer Care for alternative measures of testing to ensure proper precaution.

DISCONNECTING A GAS CYLINDER

1. Ensure the regulator valve on the grill is completely closed by turning the knob clockwise to the OFF position.
2. Turn the cylinder counter-clockwise (by hand) to disconnect from the regulator valve opening. Replace the protective caps on the regulator valve opening and the top of the gas cylinder for storage (if not empty).

NOTE: If storing the grill indoors, leave the gas cylinder outdoors.

WARNING: Do not fold up or transport grill with gas cylinder attached. The cylinder may loosen off the valve and cause a gas leak, possibly resulting in an explosion, fire, or severe bodily harm. Disconnect gas cylinder first before travel or storage.

GAS GRILLING

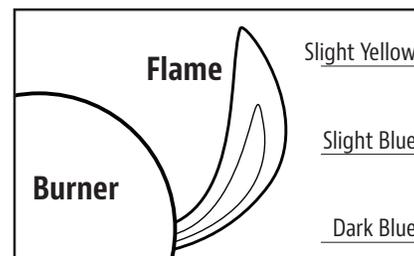
FIRST USE – GRILL BURN-OFF

Before cooking on your grill for the first time, it is important to complete a grill burn-off. Start the grill and operate at any temperature over 176°C / 350°F (with the lid down) for 30 to 40 minutes to burn-off the grill and rid it of any foreign matter.

LIGHTING PROCEDURE

CAUTION: Keep outdoor gas cooking appliance 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 and clean burner/venturi tubes for insects and insect nests. A clogged tube can lead to a fire. Attempting to light the burner with lid closed may cause an explosion.

1. Open lid during lighting.
2. Set all control knobs to the "O" position.
3. Open the cylinder/gas valve according to the operating instructions on tank.
4. Push and turn the burn control knob counter-clockwise to "🔥" (light position)".
5. Push the igniter button in repetitively until the burner catches flame. Listen for a "click" sound to indicate a spark from the igniter, and look for flame to ensure the burner is lit.
6. If ignition does not occur within 5 seconds, turn valve to "O", wait 5 minutes, and repeat lighting instruction. After lighting, observe the burner flame. Make sure all burner ports are lit and flame height matches illustration shown.
7. If the above points do not work, follow **Manual Lighting Procedure**.



If the burner goes out during operation, turn the Control Knobs to the "O" position. Wait five minutes before attempting to relight to allow any accumulated gas to dissipate.

IGNITER FAILURE PROCEDURE

If for any reason your igniter fails after three or four attempts, check the following steps, or start your grill using the manual method.

1. Ensure the Control Knobs are turned to the "O" position. Allow any accumulated gas to dissipate.
2. After five minutes, check the following:
 - Visually confirm that the igniter is working by pushing the igniter button and looking at the igniter tip for a spark. If no spark, adjust the distance between the igniter (electrode) tip and burner to 4.5 mm (3/16 in).
 - Visually confirm that the burner tube and portholes are not obstructed. If blocked, follow **Care & Maintenance** instructions.
3. If the above points do not work, follow **Troubleshooting** instructions.

MANUAL LIGHTING PROCEDURE

1. Open lid during lighting.
2. Set all control knobs to the "O" position.
3. Open the cylinder/gas valve according to the operating instructions on tank.
4. Push and turn the burner control knob counter-clockwise to "🔥" (light position). Quickly and carefully, using a long match or long-nosed lighter, place a lit flame near the burner and watch the burner catch flame. Gain access to the burner from beneath the Cooking Grids and Heat Tents. Position lit match near the side of the burner.

CAUTION: Do not attempt to light another area of the burner. This can cause injury.

5. If the burner does not light within 5 seconds, turn burner Control Knob to "O", wait 5 minutes, and repeat lighting instruction. After lighting, observe the burner flame. Make sure all burner ports are lit and flame height matches illustration shown previously.

NOTE: Each burner lights independently - repeat same steps for other burner.

WARNING: Never lean over the cooking area while lighting your gas grill. Keep your face and body a safe distance (at least 457 mm / 18 inches) from the cooking grid surface when lighting your grill by match.

6. If the above points do not work, see *Troubleshooting*.

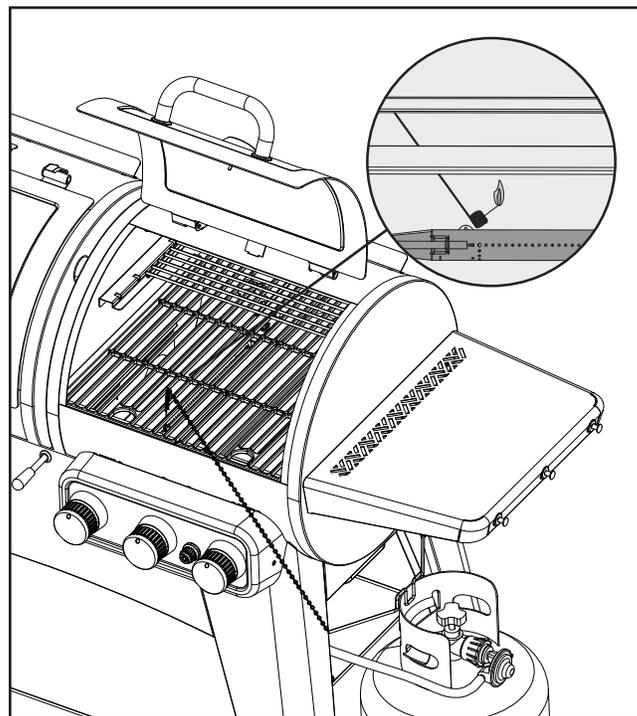
SHUTTING OFF YOUR GRILL

1. When finished cooking, turn gas cylinder valve to the CLOSED position, and allow the regulator knob to pop out. This safety feature locks the regulator knob to ensure that the gas is no longer flowing.
2. Turn Control Knobs to the "O" position.

NOTE: A "poof" sound is normal as the last of the LP gas is burned.

3. Disconnect gas supply by following the *Disconnecting A Gas Cylinder* instructions.

WARNING: Allow the grill to cool completely, and remove the gas cylinder, before moving, travel, or for storage.



CONTROLLING FLARE-UPS

Flare-ups are a part of cooking meats on a grill and add to the unique flavor of grilling. Excessive flare-ups can over-cook your food and be dangerous. If a grease fire occurs, close the lid and turn the burner knob(s) to "O" until grease burns out. Be careful when opening the lid as a sudden flare-up may occur. If excessive flare-ups occur, do not pour water onto the flames.

CAUTION: Putting out grease fires by only closing the lid is not possible. Excessive flare-ups result from build-up of grease in the bottom of your grill.

1. If a grease fire develops, turn burner knobs to the "O" position, LP gas tank valve CLOSED. Do not use water on a grease fire. This can cause grease to splatter and could result in serious burns, bodily harm or other damage.
2. Do not leave the grill unattended while preheating or burning off food residue on HIGH. If grill has not been cleaned, a grease fire can occur.

WARNING: When cooking, fire extinguishing materials should be readily accessible. In the event of an oil/grease fire, use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda. Do NOT attempt to extinguish with water.

MINIMIZE FLARE-UPS

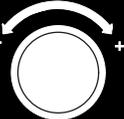
- Trim excess fat from meats prior to cooking.
- Cook high fat content meats on LOW setting or indirectly.
- Ensure that your grill is on a hard, level, non-combustible surface and the grease is allowed to drain into the grease receptacle.

WOOD PELLET GRILLING

UNDERSTANDING THE CONTROL BOARD



ENGLISH

CONTROL	DESCRIPTION
	Press the Power Button to power on the unit. The button will glow blue if connected to a power source. Press <u>and hold</u> the button for two seconds to turn the unit off.
	The Controller Knob is used to increase or decrease the temperature value. Push the Controller Knob to confirm the chosen temperature.
	<p>The "P" Set Button is used to select one of the eight fine tunings when the Temperature Control Dial is set to the Smoke Setting. Press the button to change the "P" setting to accommodate to your cooking style and cooking environment, as preferred. With a <u>short push</u> of the button, the setting increases from P0 to P7, then repeats. Adjustments are only possible in the Smoke Setting. Factory default setting is "P4". If the "P" setting is adjusted, your preference will be locked-in (saved) until further adjustment is made.</p> <p>The "P" Set Button is also used as a Temperature Switch Control to change the temperature readout on the LCD Screen. Press <u>and hold</u> the button for two seconds to switch to Celsius (°C) or to Fahrenheit (°F), as preferred. Default is set to Fahrenheit.</p>
	The LCD Screen is used as the information center for your unit. The LCD screen will display your Desired Cook Temperature, Actual Cook Temperature, and the Meat Probe Temperatures (if connected). If only one Meat Probe is connected, only one reading will be displayed.
	The Smoke it® icon indicates a connectivity with Wi-Fi. When searching for a connection by Wi-Fi or via Bluetooth®, the Smoke it® icon will blink. Once a Wi-Fi connection has been established, the Smoke it® icon will stay solid. When connected, get live updates about the actual and set temperatures of the grill, cooking time, and meat probe temperatures. It also allows you to adjust the settings of your Control Board.
	Press and hold the Prime Button to activate an extra feed of pellets to the burn pot. This can be used to add more fuel to the fire before opening the barrel lid, resulting in a quick heat recovery time. It can also be used while smoking, to increase the intensity of clean smoke flavor. Requested from competition cookers.
	The plug-in connection port(s) on the front of the Control Board are for a Meat Probe(s) . When a meat probe is connected, the temperature is displayed on the LCD Screen. When not in use, disconnect the meat probe from the connection port. <i>Compatible with Pit Boss® branded meat probes only. Additional meat probe(s) sold separately.</i> 

UNDERSTANDING THE PROBES

• GRILL PROBE

Located inside the main barrel, on the left side wall, is the Grill Probe. It is a small, vertical piece of stainless steel. The Grill Probe measures the internal temperature of the unit. When the temperature is adjusted on the Control Board, the Grill Probe will read the actual temperature inside the unit and adjust to the desired temperature.

IMPORTANT: The temperature of your unit is highly affected by ambient outdoor weather, quality of pellets used, flavor of pellets, and the quantity of food being cooked.

• MEAT PROBE

The meat probe measures the internal temperature of your meat in the grill, similar to your indoor oven. Plug-in the meat probe adapter to the meat probe connection port on the Control Board and insert the stainless steel meat probe into the thickest portion of your meat and the temperature will be displayed on the control board. **To ensure the meat probe is connected properly to the connection port, feel and hear it snap into place.**

NOTE: When placing the meat probe into your meat, ensure the meat probe and meat probe wires avoid direct contact with flame or excess heat. This can result in damage to your meat probe. Run the excess wire out the hole located on the left side of the main grill or the top of the main grill (near the grill lid hinge). When not in use, disconnect from the meat probe connection port and place aside to keep protected and clean.

UNDERSTANDING THE "P" SETTING

When the recessed "P" SET button is pushed, the "P" setting displayed on the LCD screen will change to the next value (upward). Once P7 is reached, it will restart at P0. There are eight "P" settings, ranging from P0 to P7. The recessed "P" SET button can be pushed using a thin-tipped object.

IMPORTANT: Do not push the "P" SET button too hard, as this may cause damage. Only a light push is needed.

• USING THE "P" SETTING IN SMOKE MODE

Anytime the temperature dial is set to SMOKE, such as the start-up cycle, the auger will run on more of a manual mode of cooking versus using one of the preset dial temperatures. First, the auger will continuously turn and feed pellets for four minutes. After four minutes, the auger begins to run a feed cycle based on the "P" setting selected on the Digital Control Board. The default setting is P4.

"P" SET	AUGER CYCLE (seconds)	
	ON	OFF
P0	18	55
P1	18	70
P2	18	85
P3	18	100
*P4	18	115
P5	18	130
P6	18	140
P7	18	150

* Factory default setting

HOPPER PRIMING PROCEDURE

These instructions should be followed the first time the grill is ignited, and each time the grill runs out of pellets in the hopper. The auger must be primed to allow pellets to travel through the length of the auger, and fill the fire pot. **If not primed, the igniter will timeout before the pellets are ignited, and no fire will start.** Follow these steps to prime the hopper:

1. Open the hopper lid. Make sure there are no foreign objects in the hopper or blocking the auger feed system at the bottom.
2. Remove all cooking components from the interior of the grill. Locate the fire pot in the bottom of the main barrel.
3. Plug the power cord into a power source. Press the **Power Button** to turn the unit on, and turn the **Temperature Control Dial** to the SMOKE position. Check the following items:
 - That you can hear the auger turning. Place your hand above the fire pot and feel for air movement. Do not place your hand or fingers inside the fire pot. This can cause injury.
 - After approximately a minute, you should smell the igniter burning and begin to feel the air getting warmer in the fire pot. The igniter tip does not glow red, but gets extremely hot and will burn. Do not touch the igniter.

4. Once verified that all electric components are working correctly, press and hold the **Power Button** for two seconds to turn the unit off.
5. Fill the hopper with all natural barbecue wood pellets.
6. Press the **Power Button** to turn the unit on. Keep the **Temperature Control Dial** in the SMOKE position. Press and hold the **Prime Button** until you see pellets on the inside of the grill from the auger tube. Once pellets begin to drop into the fire pot, release the **Prime Button**.
7. Press and hold the **Power Button** for two seconds to turn the unit off.
8. Re-install the cooking components into the main barrel. The grill is now ready to use.

FIRST USE – GRILL BURN-OFF

Once your hopper has been primed and before cooking on your grill for the first time, it is important to complete a grill burn-off. Start the grill and operate at any temperature over 176°C / 350°F (with the lid down) for 30 to 40 minutes to burn-off the grill and rid it of any foreign matter.

CONNECTING TO THE SMOKE IT® APP

Follow these instructions on how to connect your grill to the Smoke iT® app with your Android™ or iOS® device. The app will allow you to control and monitor your grill and Meat Probe temperatures from your mobile device. Enjoy the benefits that Smoke IT® mobile connectivity has to offer!

1. Download the Smoke iT® app. Open the app and allow Bluetooth® to be enabled for setup. New users will need to create an account and follow the prompts to login.
2. If you are within Bluetooth® range (9 m / 30 ft), the Smoke iT® app will automatically detect your grill. Select your grill model. If you do not see your grill on the screen, ensure your unit is connected to a power source and is turned on.
3. Name your grill model (ie. My Smoker) in the app and select "Connect" at the bottom of the screen. This will save your grill model in the devices menu.
4. From the devices menu, click the grill model to connect. This will show you the control board screen.
5. Click the settings option (gear) in the top-right corner, enter your Wi-Fi credentials, then click the check mark at the bottom of the screen to connect. Now both Bluetooth and Wi-Fi (cloud) icons will show on the devices menu, showing that the grill is connected.

While using the app, the screen will shine bright when the grill is active and connected. If the app screen or grill goes dark on the devices menu, check your wireless connection or power source.

AUTOMATIC START-UP PROCEDURE

1. Plug the power cord into a grounded power source. Open the main barrel lid. Check the fire pot to ensure there is no obstruction for proper ignition. Open the hopper lid. Ensure there are no foreign objects in the hopper or auger feed system. Fill the hopper with dry, all natural barbecue hardwood pellets.
2. Press the **Power Button** to turn the unit on. Ensure the **Temperature Control Dial** to the SMOKE position. This will activate the start-up cycle. The auger feed system will begin to turn, the igniter will begin to glow and the fan will supply air to the fire pot. The grill will begin to produce smoke while the start-up cycle is taking place. The barrel lid must remain open during the start-up cycle. To confirm the start-up cycle has begun properly, listen for a torchy roar, and notice some heat being produced.
3. Once the heavy, white smoke has dissipated, the start-up cycle is complete and you are ready to enjoy your grill at your desired temperature!

IGNITER FAILURE PROCEDURE

If for any reason your electric igniter fails or your grill's flame dies out during a cook, check the following steps, or start your grill using the manual method.

1. Ensure the **Temperature Control Dial** is in the SMOKE position and hold the **Power Button** for two seconds to turn off the unit. Open the barrel lid. Remove the cooking components from inside. Remove all unburnt pellets and ash from the fire pot. Avoid touching the igniter to avoid injury, as it may be extremely hot.
2. Once all cooking components are removed and cleaned, press the **Power Button** to turn the unit on and ensure the **Temperature Control Dial** to the SMOKE position. Check the following:
 - Visually confirm that the igniter is working by placing your hand above the fire pot and feeling for heat.
 - Visually confirm that the igniter is protruding approximately 13mm / 0.5 inches in the fire pot.
 - Visually confirm that the auger is dropping pellets into the fire pot.
 - Confirm that the combustion fan is working by listening for a torchy roar.
3. If any of the above points are not working, follow **Troubleshooting** instructions.

MANUAL START-UP PROCEDURE

1. Plug the power cord into a grounded power source.
2. Check fire pot to ensure there is no obstruction for proper ignition. Open the hopper lid. Ensure there are no foreign objects in the hopper or auger feed system. Fill hopper with dry, all natural hardwood barbecue pellets.
3. Open the barrel lid. Remove the cooking components to expose the fire pot. Place a generous handful of pellets into the fire pot. Squirt a gelled fire starter, or other appropriate pellet starter, over the top of the pellets. A small amount of solid fuel fire starter, such as one composed of sawdust and wax, or wood shavings, is also appropriate. Add another small amount of pellets in the fire pot.

NOTE: Do not use spirit, petrol, gasoline, lighter-fluid or kerosene for lighting or refreshing a fire in your grill.

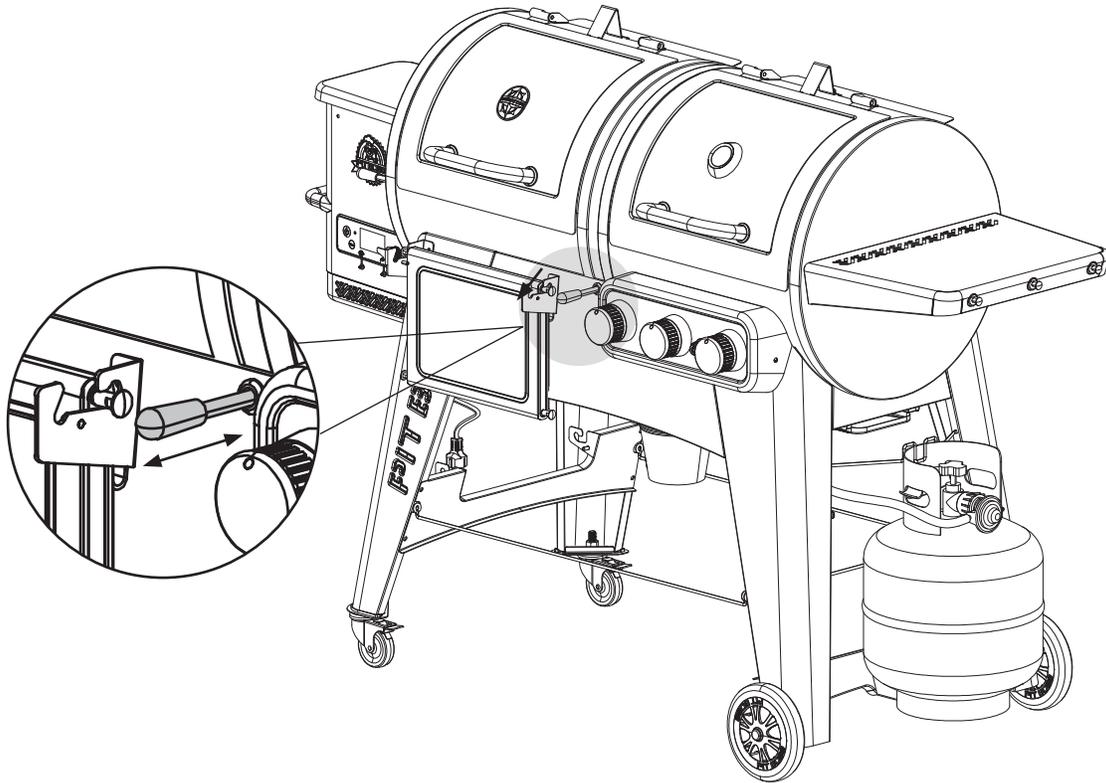
4. Light the contents of the fire pot using a long match or long-nosed lighter. Allow the starter to burn for 3 to 5 minutes. Do not attempt to add more starter into the fire pot. This can cause injury.
5. Quickly and carefully replace the cooking components to the inside of the main barrel. Continue start-up at step two of **Automatic Start-Up Procedure**.

SHUTTING OFF YOUR GRILL

1. When finished cooking, with the main barrel lid remaining closed, press and hold the **Power Button** for two seconds to turn the unit off. The grill will begin its automatic cool-down cycle. The auger system will stop feeding fuel, the flame will burn out, and the fan will continue to run until the cool-down cycle is complete.

SMOKE ADJUSTING BAR

To control the amount of smoke, as well as the overall cooking temperature, pull open the Smoke Adjusting Bar, located between the Pellet and Gas Main Barrels.



CARE AND MAINTENANCE

Any Pit Boss® unit will give you many years of flavorful service with minimum cleaning. Follow these cleaning and maintenance tips to service your grill:

1. CHECKING THE GAS LEVEL

- To check the amount of fuel in the LP gas cylinder, the grill must be in operation. Place your hand at the top of the tank and slowly move down the side until the tank feels cool to the touch. This will indicate the approximate amount of gas in your tank; if $\frac{3}{4}$ empty, replace with full tank.

IMPORTANT: Do not use charcoal briquettes or any flammable material with your grill. Use of such material will void your warranty and may lead to a fire, explosion and bodily harm.

2. BURNER COMPONENTS

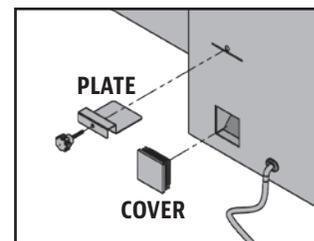
- Clean the burner whenever heavy build-up is found, to ensure that there are no signs of blockage (debris, insects) on the burner tube or in the burner portholes. After periods of storage, spiders or small insects can build nests, webs, and lay eggs in the burner tube, obstructing the flow of gas to the burner. If storing the grill or before an extended period of non-use, remove the burner and wrap with aluminum foil to reduce the risk of insects entering the burner holes.
- The burner has been preset for optimal flame performance. A blue flame, possibly with a small yellow tip, is the result of the optimal air and gas mixture. If flames are excessively yellow, orange or irregular, clean the oil and food deposits on the burner surface and the burner portholes to increase airflow.

3. HOPPER ASSEMBLY

- The hopper includes a clean-out feature to allow for ease of cleaning and change out of pellet fuel flavors. To empty, locate the plate and the cover of the drop chute on the back side of the hopper. Place a clean, empty pail under the drop chute cover, then remove the cover piece. Unscrew the plate, slide outwards, and pellets will empty.

NOTE: Use a long handled brush or shop-vac to remove excess pellets, sawdust, and debris for a complete clean-out through the hopper screen.

- Running all pellets out of your auger system is recommended if your grill will be unused for an extended period of time. This can be done by simply running your grill, on an empty hopper, until all pellets have emptied from the auger tube.
- Check and clean off any debris from the fan air intake vent, found on the bottom of the hopper. Once the hopper access panel is removed (see *Electric Wire Diagram* for diagram), carefully wipe off any grease build-up directly on the fan blades. This ensures airflow is sufficient to the feed system.



4. PROBES

- Kinks or folds in the probe wires may cause damage to the part. Wires should be rolled up in a large, loose coil.
- Although the probes are stainless steel, do not place in the dishwasher or submerge in water. Water damage to the internal wires will cause the probe to short-out, causing false readings. If a probe is damaged, it should be replaced.

5. *INSIDE SURFACES*

- It is recommended to clean your Burn Pot after every few uses. This will ensure proper ignition and avoid any hard build-up of debris or ash in the Burn Pot.
- Use a long-handled grill cleaning brush, remove any food or build-up from the cooking grids. Best practice is to do this while they are still warm from a previous cook. Grease fires are caused by too much fallen debris on the cooking components of the grill. Clean the inside of your grill on a consistent basis. In the event you experience a grease fire, keep the grill lid closed to choke out the fire. If the fire does not go out quickly, carefully remove the food, turn the grill off, and shut the lid until the fire is completely out. Lightly sprinkle baking soda, if available.
- Check your grease bucket often, and clean out as necessary. Keep in mind the type of cooking you do.

IMPORTANT: Due to high heat, do not cover the flame broiler or probes with aluminum foil.

6. *OUTSIDE SURFACES*

- Wipe your grill down after each use. Use warm soapy water to cut the grease. Do not use oven cleaner, abrasive cleansers or abrasive cleaning pads on the outside grill surfaces. **All painted surfaces are not covered under warranty**, but rather are part of general maintenance and upkeep. For paint scratches, wearing, or flaking of the finish, all painted surfaces can be touched up using high heat BBQ paint.
- Use a grill cover to protect your grill for complete protection! A cover is your best protection against weather and outside pollutants. When not in use or for longterm storage, keep the unit under a cover in a garage or shed.

CLEANING FREQUENCY TIME TABLE (NORMAL USE)

ITEM	CLEANING FREQUENCY	CLEANING METHOD
Bottom Of Grill	Every 2-3 grill sessions	Scoop out, shop-vac excess debris
Burner Tube, Portholes	Every 5-6 grill sessions	Dust, scrub pad & soapy water
Burners	Every 5-6 grill sessions	Scrub pad & soapy water
Burn Pot	Every 2-3 grill sessions	Scoop out, shop-vac excess debris
Cooking Grids	After each grill session	Burn off excess, brass wire brush
Shelf	After each grill session	Scrub pad & soapy water
Grease Bucket	After each grill session	Scrub pad & soapy water
Auger Feed System	When pellet bag is empty	Allow auger to push out sawdust, leaving hopper empty
Hopper Electric Components	Once a year	Dust out interior, wipe fan blades with soapy water
Air Intake Vent	Every 5-6 grill sessions	Dust, scrub pad & soapy water
Grill Probe	Every 2-3 grill sessions	Scrub pad & soapy water
Meat Probe	After each grill session	Scrub pad & soapy water

USING WOOD PELLET FUEL

Clean-burning barbecue wood pellets generate about 8200 BTU's per pound with very little ash, a low moisture content (5-7%), and are carbon neutral. Barbecue wood pellets are produced by pure raw material (sawdust) being pulverized with a hammer-mill, and the material is pushed through a die with pressure. As the pellet is forced through the die, it is cut, cooled, screened, vacuumed, and then bagged for consumer use. Check with your local dealer for flavors available in your area.



COMPETITION								
HICKORY	✓		✓	✓	✓			✓
APPLE		✓	✓	✓				✓
MESQUITE	✓			✓	✓	✓		
CHERRY	✓	✓	✓	✓	✓			✓
MAPLE	✓		✓			✓		✓
PECAN	✓		✓	✓	✓			✓
WHISKEY BARREL	✓				✓	✓	✓	✓
OAK	✓				✓	✓	✓	✓
CHARCOAL	✓		✓	✓	✓			✓
CLASSIC	✓	✓	✓	✓	✓	✓		✓
FRUITWOOD		✓	✓	✓				✓
TROPHY	✓		✓	✓	✓			✓
PIT MASTER	✓	✓	✓	✓	✓	✓	✓	✓

NOTE: Always store wood pellets in a dry area. Any contact or exposure to moisture will result in lower heat output or cause the pellets to swell and break apart. Use a moisture proof, resealable tub or bucket for proper storage.

COOKING GUIDELINES

Smoking and grilling styles of cooking can give you different results based on time and temperature. For best results, keep a record of what you cooked, at what temperature, how long you cooked for, and the results. Adjust to your taste for the next time. Practice makes perfect.

The culinary art of hot smoking refers to longer cooking times, but results in more natural wood flavor (and a sought-after *smoke ring*) on your meats. Higher cooking temperatures result in a shorter cooking time, locking in less smoke flavor.

TIP: For best results, allow time for meats to rest after cooking. This allows the natural juices to migrate back into the meat fiber, giving a much juicier, flavorful cut. Resting times can be as little as 3 minutes and up to 60 minutes, depending on the size of the protein.

STYLE OF COOKING	HOT SMOKING (Very Low)	ROAST (Low)	BAKING (Medium)	GRILL/BAKE (Medium/High)	SEAR (High)
Temperature Range	93-135°C / 199-275°F	135-162°C / 275-323°F	162-190°C / 323-374°F	190-232°C / 374-449°F	232-260°C / 449-500°F

POULTRY	Size	Rare - 54°C / 130°F	Medium - 60°C / 140°F	Well Done - 77°C / 170°F
Turkey (<i>whole</i>)	4.5-5.0 kg / 10-11 lbs. 5.3-6.4 kg / 12-14 lbs. 6.8-7.7 kg / 15-17 lbs. 8.2-10.0 kg / 18-22 lbs. 10.4-11.3 kg / 23-25 lbs.			Grill 90 - 120 minutes Grill 110 - 140 minutes Grill 130 - 160 minutes Grill 140 - 170 minutes Grill 150 - 180 minutes
Chicken (<i>whole</i>)	1.36-2.26 kg / 3-5 lbs.			Grill 1 - 1.5 hours
Drumsticks, Breasts	0.45 - 0.86 kg / 1 - 1½ lbs.			Grill 30-60 minutes
Small Game Birds	0.45 - 0.86 kg / 1 - 1½ lbs.			Grill 30-45 minutes
Duck	1.36-2.26 kg / 3-5 lbs.			Roast or grill 2 - 2.5 hours

PORK	SIZE	Precooked to Reheat 60°C / 140°F	Medium 66°C / 150°F	Well Done 71°C / 160°F
Ham (<i>Fully Cooked & Boneless Portion, Smoked Picnic Whole & Bone-In</i>)	2.5 cm / 1" 1.36-1.81 kg / 3-4 lbs. 1.81-2.72 kg / 4-6 lbs. 2.26-3.62 kg / 5-8 lbs. 4.53-5.44 kg / 10-12 lbs.	12 minutes 50 minutes - 1 hour 1 - 2 hours 1 - 2½ hours 2 - 2¾ hours		
Loin Roast	1.36-1.81 kg / 3 - 4 lbs.		1 - 2 hours	2 - 3 hours
Rib Crown Roast	1.81-2.26 kg / 4 - 5 lbs.		1½ - 2 hours	2 - 3 hours
Chop (<i>loin, rib</i>)	1.9-2.5 cm / ¾" - 1" 3.1-3.9 cm / 1¼" - 1½"		10 - 12 minutes 14 - 18 minutes	
Tenderloin	1.9-2.5 cm / ¾" - 1"		20 - 30 minutes	30 - 45 minutes
Loin Roast (<i>boneless</i>)	1.36-2.26 kg / 3-5 lbs.		1¼ - 1¾ hours	1¾ - 2½ hours
Boston Butt (<i>Pork Shoulder</i>)	3.62-4.53 kg / 8-10 lbs.			93 - 98°C / 200 - 210°F Internal Temperature

BEEF	SIZE	HEAT	Rare - 54°C / 130°F	Medium - 60°C / 140°F	Well Done - 65°C / 150°F
Steak (<i>New York, Porter-house, Rib-eye, Sirloin, T-bone, or Tenderloin</i>)	1.9 cm / ¾" 2.5 cm / 1" 3.8 cm / 1½" 5 cm / 2"	High	Sear 8-10 minutes Sear 10-12 minutes Sear 10 minutes, grill 8-10 minutes Sear 10 minutes, grill 10-14 minutes		
Skirt Steak	0.6 - 12.7 cm / ¼" - ½"	High	Sear 5-7 minutes		
Flank Steak	0.45 - 0.86 kg / 1 - 1½ lbs., 1.9 cm / ¾"	Medium	Sear 4 minutes, grill 8-10 minutes		
Kabob	2.5 - 3.8 cm / 1 - 1½" cubes	Medium	Grill 10 - 12 minutes		
Tenderloin, whole	1.58 - 1.81 kg / 3½ - 4 lbs.	High/Medium	Sear 10 minutes, grill 15-20 minutes		
Ground Beef Patty	1.9 cm / ¾"	High/Medium	Sear 4 minutes, grill 4-6 minutes		
Rib-eye Roast (<i>boneless</i>)	2.26 - 2.72 kg / 5 - 6 lbs.	Medium	Grill 1½ - 2 hours		
Tri-tip Roast	0.9 - 1.13 kg / 2 - 2½ lbs.	High/Medium	Sear 10 minutes, grill 20-30 minutes		
Rib Roast	5.44 - 6.35 kg / 12 - 14 lbs.	Medium	2½ - 2¾ hours		
Veal Loin Chop	2.5cm / 1"	Medium	10 - 12 minutes direct		
Brisket	7.25 - 3.62 kg / 16 -18 lbs.	Hot Smoke	Cook until internal temperature reaches 91°C / 195°F		

LAMB	Size	Rare - 54°C / 130°F	Medium - 60°C / 140°F	Well Done - 71°C / 160°F
Roast (<i>fresh</i>)	2.26 - 2.72 kg / 5 - 6 lbs.		1 - 2 hours	
Rib Crown Roast	1.36-2.26 kg / 3-5 lbs.		1 - 1½ hours	1½ hours

SEAFOOD	Size	Rare - 54°C / 130°F	Medium - 60°C / 140°F	Well Done - 82°C / 180°F
Fish (<i>whole</i>)	0.5 kg / 1 lb. 0.9 - 1.1 kg / 2 - 2½ lbs. 1.4 kg / 3 lbs.			Grill 10 - 20 minutes Grill 20 - 30 minutes Grill 30 - 45 minutes
Fish (<i>filets</i>)	0.6-1.3 cm / ¼" - ½"			Grill 3 - 5 minutes, until flaky
Lobster Tail	0.15 kg / 5 oz. 0.3 kg / 10 oz.			Grill 5 - 6 minutes Grill 10 - 12 minutes

WILD GAME	Size	Rare - 60°C / 140°F	Medium - 71°C / 160°F	Well Done - 77°C / 170°F
Roast (<i>fresh</i>)	2.26 - 2.72 kg / 5 - 6 lbs.		1 - 1½ hours	1½ - 2 hours
Large Cuts (<i>fresh</i>)	3.62-4.53 kg / 8-10 lbs.		1 hours	1½ hours

TIPS & TECHNIQUES

Follow these helpful tips and techniques, passed on from Pit Boss® owners, our staff, and customers just like you, to become more familiar with your grill:

1. *FOOD SAFETY*

- Keep everything in the kitchen and cooking area clean. Use different platters and utensils for the cooked meat than the ones you used to prepare or transport the raw meat out to the grill. This will prevent cross contamination of bacteria. Each marinade or basting sauce should have its own utensil.
- Keep hot foods hot (above 60°C / 140°F), and keep cold foods cold (below 3°C / 37°F).
- A marinade should never be saved to use at a later time. If you are going to use it to serve with your meat, be sure to bring it to a boil before serving.
- Cooked foods should not be left out in the heat for more than an hour. Do not leave hot foods out of refrigeration for more than two hours.
- Defrost and marinate meats by refrigeration. Do not thaw meat at room temperature or on a counter top. Bacteria can grow and multiply rapidly in warm, moist foods. Wash hands thoroughly with hot, soapy water before starting any meal preparation and after handling fresh meat, fish and poultry.

2. *COOKING PREPARATION*

- Be prepared, or ***Mise en Place***. This refers to preparing the cooking recipe, fuel, accessories, utensils, and all ingredients you require at grill side before you start cooking. Also, read the entire recipe, start to finish, before lighting the grill.
- A BBQ floor mat is very useful. Due to food handling accidents and cooking spatter, a BBQ floor mat would protect a deck, patio, or stone platform from the possibility of grease stains or accidental spills.

3. *GRILLING TIPS AND TECHNIQUES*

- To infuse more smoke flavor into your meats, cook longer and at lower temperatures (also known as ***low and slow***). Meat will close its fibers after it reaches an internal temperature of 49°C / 120°F. Misting, or mopping, are great ways to keep meat from drying out.
- While searing your meats, cook with the lid down. Always use a meat thermometer to determine the internal temperature of the foods you are cooking. Smoking foods with hardwood pellets will turn meats and poultry pink. The band of pink (after cooking) is referred to as a ***smoke ring*** and is highly prized by outdoor chefs.
- Sugar-based sauces are best applied near the end of cooking to prevent burning and flare-ups.
- Leave open space between the foods and the extremities of the barrel for proper heat flow. Food on a crowded grill will require more cooking time.
- Use a set of long-handled tongs for turning meats, and a spatula for turning burgers and fish. Using a piercing utensil, such as a fork, will prick the meat and allow the juices to escape.
- Foods in deep casserole dishes will require more time to cook than a shallow baking pan.
- It's a good idea to put cooked food onto a heated platter, keeping the food warm. Red meats, such as steak and roasts, benefit from resting for several minutes before serving. It allows the juices that were driven to the surface by heat to ease back to the center of the meat, adding more flavor.

TROUBLESHOOTING

Proper cleaning, maintenance and the use of clean, dry, quality fuel will prevent common operational problems. When your Pit Boss® grill is operating poorly, or on a less frequent basis, the following troubleshooting tips may be helpful. For FAQ, please visit www.pitboss-grills.com. You may also contact your local Pit Boss® authorized dealer or contact Customer Service for assistance.

WARNING: Always disconnect the electrical cord prior to opening the grill for any inspection, cleaning, maintenance or service work. Ensure the grill is completely cooled to avoid injury.

WOOD PELLET GRILL

PROBLEM	CAUSE	SOLUTION
No Power Lights On The Control Board	Not Connected To Power Source	Ensure unit is plugged into a working power source. Reset breaker. Ensure GFCI is a minimum 10 Amp service (see Electric Wire Diagram for access to electric components) Ensure all wire connections are firmly connected and dry.
	Fuse Blown On The Control Board	Remove hopper access panel (see Electric Wire Diagram for diagram), press in plastic tabs holding the control board in place and carefully pull controller inside the hopper to release controller. Check the fuse for a broken wire or if the wire has turned black. If yes, fuse needs to be manually replaced.
	The GFCI outlet has been tripped.	Remove hopper access panel (see Electric Wire Diagram for diagram), and ensure all wire connections are firmly connected and dry. Ensure GFCI is a minimum 10 Amp service.
	Faulty Control Board	Control Board needs to be replaced. Contact Customer Service for a replacement part.
Fire in Burn pot Will Not Light	Auger Not Primed	Before the unit is used for the first time or anytime the hopper is completely emptied out, the auger must be primed to allow pellets to fill the auger tube. If not primed, the igniter will timeout before the pellets reach the burn pot. Follow Hopper Priming Procedure .
	Auger Motor Is Jammed	Remove cooking components from the main barrel. Press the Power Button to turn the unit on, turn Temperature Control Dial to SMOKE, and inspect the auger feed system. Visually confirm that the auger is dropping pellets into the burn pot. If not operating properly, call Customer Service for assistance or a replacement part.
	Igniter Failure	Remove cooking components from the main barrel. Press the Power Button to turn the unit on, turn Temperature Control Dial to SMOKE, and inspect the igniter. Visually confirm that the igniter is working by placing your hand above the burn pot and feeling for heat. Visually confirm that the igniter is protruding approximately 13mm / 0.5 inches in the burn pot. If not operating properly, follow Manual Start-up Procedure to continue use of grill; however, call Customer Service for assistance or a replacement part.
Flashing Dots On LCD Screen	The Igniter Is On	This is not an error that effects the grill. Used to show that the unit has power and is in Start-Up mode (igniter is on). The igniter will turn off after five minutes. Once the flashing dots disappear, the grill will begin to adjust to the desired temperature selected.
Flashing Temperature On LCD Screen	Grill Temperature Is Below 65°C /150°F	This is not an error that effects the unit; however, it is used to show that there is some risk that the fire could go out. Check hopper for sufficient fuel or if there is an obstruction in the feed system. Remove pellets and follow Care and Maintenance instructions. Check grill Grill Probe and follow Care and Maintenance instructions if dirty. Check burn pot for ash build-up or obstructions, and follow Care and Maintenance instructions for ash build-up. Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty. Check auger motor to confirm operation (rotation), and ensure there is no blockage in the auger tube.

"ErH" Error Code	The Unit Has Overheated, Possibly Due To Grease Fire Or Excess Fuel.	Press and hold the Power Button for two seconds to turn the unit off, and allow grill to cool. Follow Care and Maintenance instructions. After maintenance, remove pellets, and confirm positioning of all component parts. Once cooled, press the Power Button to turn the unit on, then select desired temperature. If error code still displayed, contact Customer Service.
"Err" Error Code	Grill Probe wire not making connection.	Remove hopper access panel (see Electric Wire Diagram for diagram), and check for any damage to the Grill Probe wires. Ensure Grill Probe connectors are firmly connected, and connected correctly, to the Control Board.
"noP" Error Code	Bad Connection At Connection Port	Disconnect meat probe from connection port on the Control Board, and reconnect. Ensure the meat probe adapter is firmly connected. Check for signs of damage to the adapter end. If still failed, call Customer Care for replacement part.
	Meat Probe Damaged	Check for signs of damage to the wires of the meat probe. If damaged, call Customer Care for replacement part.
	Faulty Control Board	Control Board needs to be replaced. Contact Customer Care for a replacement part.
"ErL" Error Code	Grill fails to perform start-up cycle	Check proper positioning of cooking components. Check hopper for sufficient fuel or if there is an obstruction in the feed system. Remove pellets and follow Care and Maintenance instructions. Check Grill Probe. Confirm if actual temperature is correct and accurate. Follow Care and Maintenance instructions if dirty. Check ignitor positioning and that it is heating up properly. In extreme cold, the grill may require a second start. Turn grill off, wait, then turn on again. Check fan. Ensure it is working properly. Follow Care and Maintenance instructions if dirty.
	Grill will not stay lit	
Grill Temperature on SMOKE is too high	"P" Setting is too LOW	Push the "P" SET button, and increase the "P" setting.
Grill Will Not Achieve Or Maintain Stable Temperature	Insufficient Air Flow Through Burn pot	Check burn pot for ash build-up or obstructions. Follow Care and Maintenance instructions for ash build-up. Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty. Check auger motor to confirm operation, and ensure there is no blockage in the auger tube. Once all the above steps have been done, start the grill, set temperature to SMOKE and wait for 10 minutes. Check that the flame produced is bright and vibrant.
	Lack Of Fuel, Poor Fuel Quality, Obstruction In Feed System	Check hopper to check that fuel level is sufficient, and replenish if low. Should the quality of wood pellets be poor, or the length of the pellets too long, this may cause an obstruction in the feed system. Remove pellets and follow Care and Maintenance instructions.
	Grill Probe	Check status of Grill Probe. Follow Care and Maintenance instructions if dirty. Contact Customer Service for a replacement part if damaged.
Grill Produces Excess Or Discolored Smoke	Grease Build-Up	Follow Care and Maintenance instructions.
	Wood Pellet Quality	Remove moist wood pellets from hopper. Follow Care and Maintenance instructions to clean out. Replace with dry wood pellets.
	Burn pot Is Blocked	Clear burn pot for moist wood pellets. Follow Hopper Priming Procedure .
	Insufficient Air Intake For Fan	Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty.

Frequent Flare-Ups	Cooking Temperature	Attempt cooking at a lower temperature. Grease does have a flash point. Keep the temperature under 176°C / 350°F when cooking highly greasy food.
	Grease Build-Up On Cooking Components	Follow Care and Maintenance instructions.

PROPANE GAS GRILL

PROBLEM	CAUSE	SOLUTION
Burner Will Not Light	The ignition wire is broken	Contact Customer Care for assistance or a replacement part.
	No igniter spark on electrode	Adjust the electrode. Contact Customer Care for assistance or a replacement part.
	No gas supplied	Check the regulator valve. Check connection for leak.
Grease Fire / Frequent Flare-Ups	Grilling fatty meats	Grill fatty meats when the cooking surface is cold, and the knobs are on the "LOW" setting.
	Cooking temperature	Attempt cooking at a lower temperature. Grease does have a flash point. Keep the temperature under 176°C / 350°F when cooking highly greasy food.
	Water sprayed on gas flames	Do not spray water on gas flames.
Burner blows out	No Gas Flow	Check gas fuel connection, and ensure it is open. Replace gas cylinder if empty.
	Gusting Or High Winds	Turn front of grill away from wind or increase flame height.
Low heat on "HIGH"	Ports blocked	Clear ports of any obstructions.
	Gas cylinder empty	Refill the gas cylinder.
Gas Leakage	Improper Installation	Turn the regulator knob to the "0" position, and allow the regulator knob to pop out. Remove the gas cylinder. Re-install and tighten. Perform leak test to ensure proper seal. Replace gas cylinder if damaged.
	Seal Failure	Gas cylinder has corroded, rusted, or has been mishandled. Replace gas cylinder.
	Regulator Failure	Regulator needs to be replaced. Contact Customer Care for a replacement part.
Burner Flames Are Yellow Or Orange	Poor Air Flow	Check burner tube and burner ports for spider webs or other obstructions. Follow Care and Maintenance instructions to clean the burner tube.
	Burner Obstruction	
	Grease Cup Is Full, Spilling	Empty grease cup and re-install. Follow Care and Maintenance instructions.
	Regulator Valve Is Off	Check the regulator valve connection to the gas cylinder. Remove, then reinstall. Perform leak test.
	Burner Is Dirty	Turn regulator knob to HIGH for five minutes, and burn-off the unit. Follow Care and Maintenance instructions.

ELECTRICAL WIRE DIAGRAM

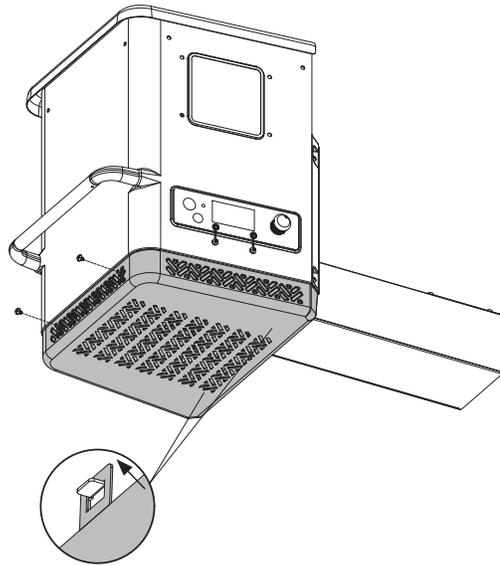
The Digital Control Board system is an intricate and valuable piece of technology. For protection from power surges and electrical shorts, consult the wire diagram below to ensure your power source is sufficient for the operation of the unit.

PB – ELECTRIC REQUIREMENTS 110-120 V, 60 Hz, 250 W, 3-PRONG GROUNDED PLUG

NOTE: Electrical components, passed by product safety testing and certification services, comply with a testing tolerance of ± 5-10 percent.

LOCATE AND REMOVE THE TWO SCREWS OF ACCESS PANEL ON THE SIDE OF HOPPER.

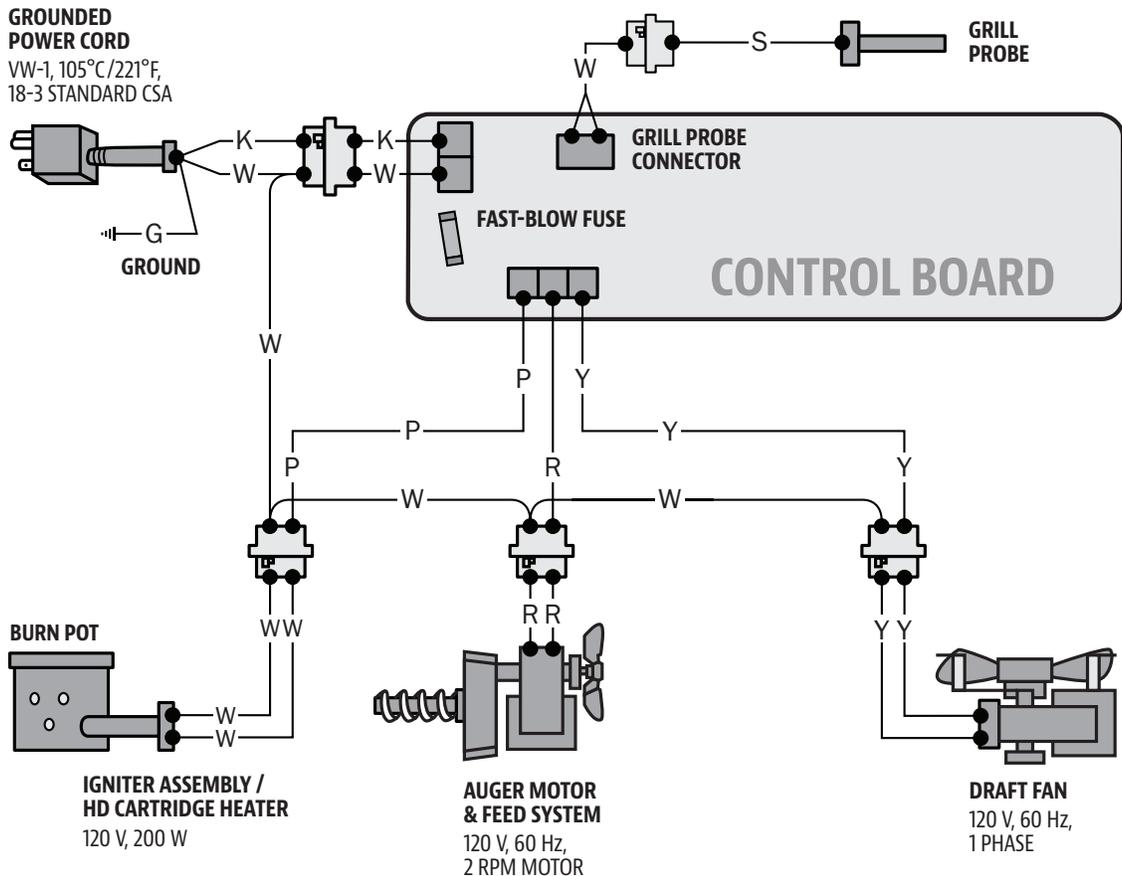
RELEASE BOTTOM HOPPER PANEL DOWN AND SLIDE BACK TO UNSEAT FROM TAB.



FUEL INPUT RATING:
2.0 KG/H
(4.4 LB/H)

INDEX

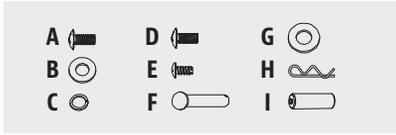
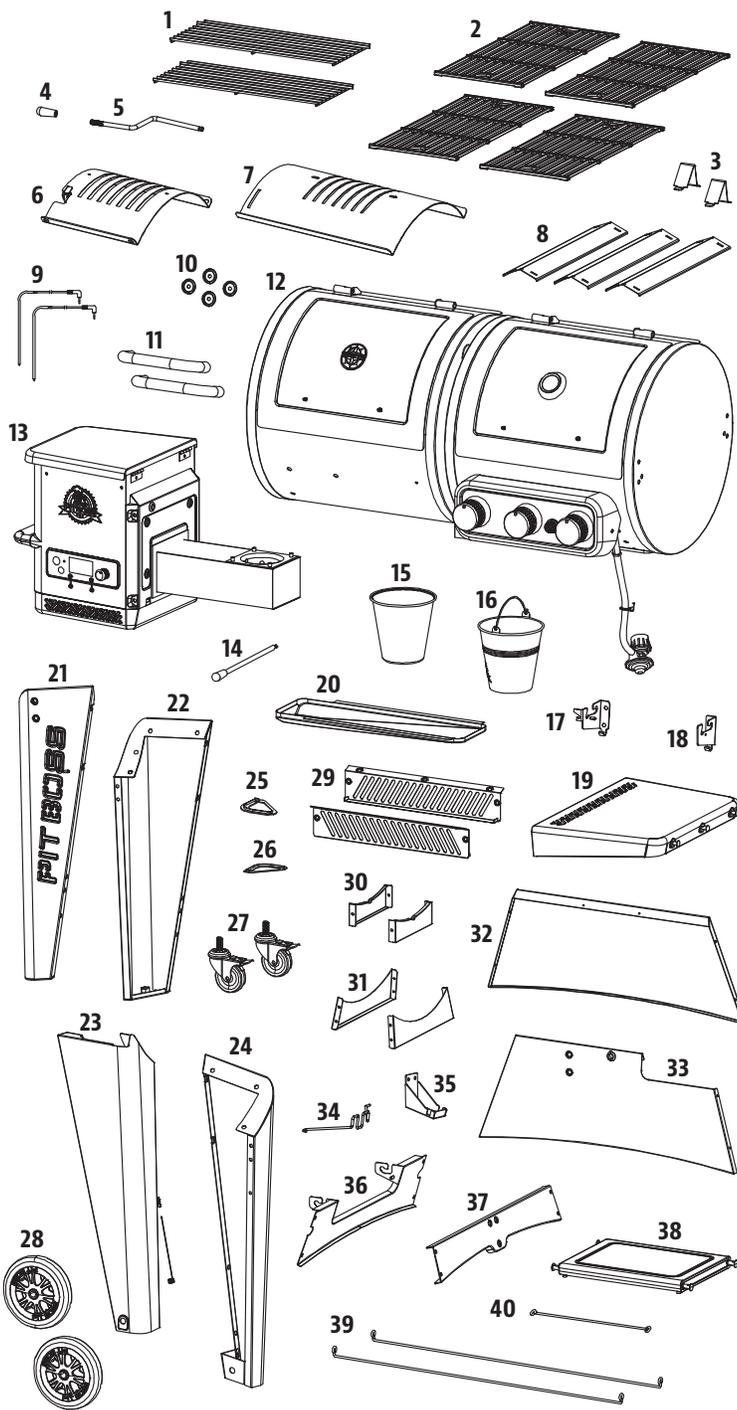
W : WHITE
Y : YELLOW
P : PURPLE
R : RED
K : BLACK
G : GREEN



GRILL REPLACEMENT PARTS

ENGLISH

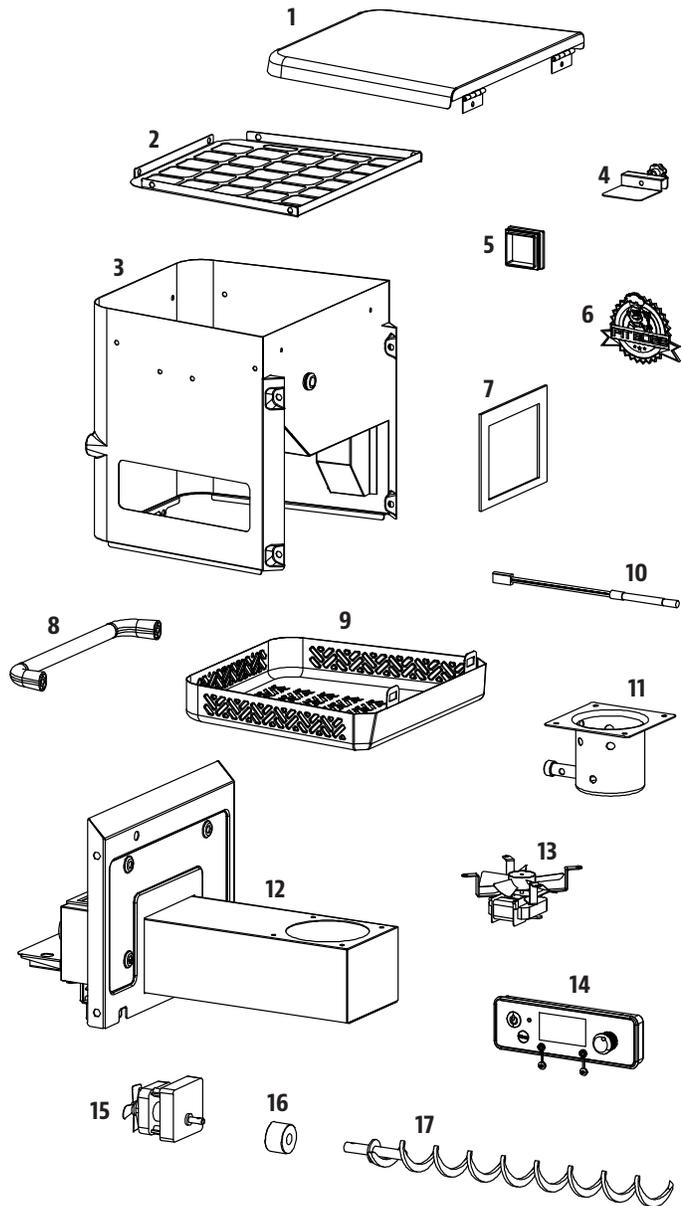
Part	Description
1	Upper Cooking Rack (x2)
2	Cooking Grid (x4)
3	Lid Stopper (x2)
4	Flame Broiler Adjusting Bar Handle (x1)
5	Flame Broiler Adjusting Bar (x1)
6	Flame Broiler Slider (x1)
7	Flame Broiler Main Plate (x1)
8	Heat Tent (x3)
9	Meat Probe (x2)
10	Lid Handle Bezel (x4)
11	Lid Handle (x2)
12	Main Barrel (x1)
13	Hopper Assembly (x1)
14	Smoke Adjusting Bar (x1)
15	Grease Bucket Liner (x1)
16	Grease Bucket (x1)
17	Front Shelf Bracket / Left (x1)
18	Front Shelf Bracket / Right (x1)
19	Side Shelf (x1)
20	Grease Tray (x1)
21	Support Leg for Caster / Front (x1)
22	Support Leg for Caster / Back (x1)
23	Support Leg / Front (x1)
24	Support Leg / Back (x1)
25	Left Front Support Leg Trim Piece (x1)
26	Left Back Support Leg Trim Piece (x1)
27	Locking Casters (x2)
28	Wheel (x2)
29	Grease Tray Support A (x2)
30	Grease Tray Support B (x2)
31	Cart Side Panel (x2)
32	Cart Back Panel (x1)
33	Cart Front Panel (x1)
34	LP Gas Cylinder Wire Retainer (x1)
35	LP Gas Cylinder Support Bracket (x1)
36	Cart Support Girder / M (x1)
37	Cart Support Girder / L (x1)
38	Front Shelf (x1)
39	Cart Bar A (x2)
40	Cart Bar B (x1)
A	Screw (x33)
B	Washer (x33)
C	Locking Washer (x33)
D	Screw (x26)
E	Screw (x4)
F	Wheel Axle Pin (x2)
G	Wheel Washer (x2)
H	Wheel Cotter Pin (x2)
I	AA Battery (x1)



NOTE: Due to ongoing product development, parts are subject to change without notice.

HOPPER REPLACEMENT PARTS

Part#	Description
1	Hopper Lid (x1)
2	Hopper Safety Screen (x1)
3	Hopper Box Housing (x1)
4	Drop Chute Plate (x1)
5	Drop Chute Cover (x1)
6	Logo Plate (x1)
7	Hopper Housing Gasket (x1)
8	Hopper Handle (x1)
9	Hopper Access Panel (x1)
10	Igniter (x1)
11	Burn Pot (x1)
12	Auger Box Housing (x1)
13	Combustion Fan (x1)
14	Control Board (x1)
15	Auger Motor (x1)
16	Nylon Bushing (x1)
17	Auger Flighting Assembly (x1)



ENGLISH

NOTE: Due to ongoing product development, parts are subject to change without notice.

WARRANTY

CONDITIONS

All gas and wood pellet combo grills by Pit Boss®, manufactured by Dansons, carry a limited warranty from the date of sale by the original owner. The warranty coverage begins on the original date of purchase and proof of date of purchase, or copy of original bill of sale, is required to validate the warranty. Customers will be subject to parts, shipping, and handling fees if unable to provide proof of the purchase or after the warranty has expired. Dansons carries a five (5) year warranty against defects and workmanship on all parts, two (2) years on gas components, and five (5) years on electrical components. Dansons warrants that all part(s) are free of defects in material and workmanship, for the length of use and ownership of the original purchaser. Warranty does not cover damage from wear and tear, such as scratches, dents, dings, chips or minor cosmetic cracks. These aesthetic changes of the grill do not affect its performance. Repair or replacement of any part does not extend past the limited warranty from date of purchase. During the term of the warranty, Dansons' obligation shall be limited to furnishing a replacement for defective and/or failed components. As long as it is within the warranty period, Dansons' will not charge for repair or replacement for parts returned, freight prepaid, if the part(s) are found by Dansons' to be defective upon examination. Dansons' shall not be liable for transportation charges, labor costs, or export duties. Except as provided in these conditions of warranty, repair or replacement of parts in the manner and for the period of time mentioned heretofore shall constitute the fulfillment of all direct and derivate liabilities and obligations from Dansons to you.

Dansons takes every precaution to utilize materials that retard rust. Even with these safeguards, the protective coatings can be compromised by various substances and conditions beyond Dansons' control. High temperatures, excessive humidity, chlorine, industrial fumes, fertilizers, lawn pesticides and salt are some of the substances that can affect metal coatings. For these reasons, the warranty does not cover rust or oxidization, unless there is loss of structural integrity on the grill component. Should any of the above occur, kindly refer to the care and maintenance section to prolong the lifespan of your unit. Dansons recommends the use of a grill cover when the grill is not in use. This warranty is based on normal domestic use and service of the grill and neither limited warranty coverage's apply for a grill which is used in commercial applications.

EXCEPTIONS

There is no written or implied performance warranty on Pit Boss® grills, as the manufacturer has no control over the installation, operation, cleaning, maintenance or the type of fuel burned. This warranty will not apply nor will Dansons assume responsibility if your appliance has not been installed, operated, cleaned and maintained in strict accordance with this owner's manual. Any use of gas not outlined in this manual may void the warranty. The warranty does not cover damage or breakage due to misuse, improper handling or modifications. Neither Dansons, or authorized Pit Boss® dealer, accepts responsibility, legal or otherwise, for the incidental or consequential damage to the property or persons resulting from the use of this product. Whether a claim is made against Dansons based on the breach of this warranty or any other type of warranty expressed or implied by law, the manufacturer shall in no event be liable for any special, indirect, consequential or other damages of any nature whatsoever in excess of the original purchase of this product. All warranties by manufacturer are set forth herein and no claim shall be made against manufacturer on any warranty or representation.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations of implied warranties, so the limitations or exclusions set forth in this limited warranty may not apply to you. This limited warranty gives you specific legal rights and you may have other rights, which vary from state to state.

ORDERING REPLACEMENT PARTS

To order replacement parts, please contact your local Pit Boss® dealer or visit our online store at: www.pitboss-grills.com

CONTACT CUSTOMER CARE

If you have any questions or problems, contact Customer Care.

USA: (480) 923-9630 | Canada (Toll Free): 1-877-942-2246

WARRANTY SERVICE

Contact your nearest Pit Boss® dealer for repair or replacement parts. Dansons requires proof of purchase to establish a warranty claim; therefore, retain your original sales receipt or invoice for future reference. The serial and model number of your Pit Boss® can be found inside the lid of the hopper. Record numbers below as the label may become worn or illegible.

MODEL

SERIAL NUMBER

DATE OF PURCHASE

AUTHORIZED DEALER