

The **GORILLA 200/600**

20 PAN AND 60 PAN RETHERMALIZATION OVENS

INSTALLATION & OPERATION MANUAL

The Boss Gorilla 200 and 600 Oven is UL Certified.
It is constructed as per the American National Standard / CSA
Standard for Gas Food Service Equipment
ANSI Z83.11-2004
CSA 1.8-2002

The Gorilla 200/600 Rethermalization Oven Is Certified For Operation Indoors, or Outdoors

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the "Important Safety Messages", "Installation Instructions", "Operating Instructions", and "Service & Maintenance" sections of this manual thoroughly before installing or servicing this equipment.

WARNING **FOR YOUR SAFETY**

1. DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. DO NOT store an LP cylinder, not connected for use, in the vicinity of this or any other appliance.

IMPORTANT! Post the following information in a prominent location.

FOR YOUR SAFETY

If you smell gas:

1. *Shut off gas to the appliance*
2. *Extinguish any open flame.*
3. *Open Oven Doors & Rear Combustion Chamber Doors.*
4. *If odor continues, immediately call your gas supplier or your local fire department.*

FIRE DEPARTMENT: _____

GAS COMPANY: _____

OR DIAL: 9 1 1

Record this important information for future reference when contacting BOSS Products for spare parts and/or customer support:

Date of Purchase: _____

Serial Number: _____

Model Number: **Gorilla** _____

RETAIN THIS MANUAL FOR FUTURE REFERENCE

Boss Products, Inc.
602 Maple Lane Wakarusa, IN 46573
Phone: 574-862-2184 Fax: 574-862-1478

IMPORTANT SAFETY INSTRUCTIONS	2
GAS SUPPLY SYSTEM NOTIFICATIONS.....	3
LOCAL CODES CONCERNING INSTALLATION	3
INSTALLATION.....	5
CONNECTING THE GAS SUPPLY AND SECURING THE OVEN.....	5
LEVELING INSTRUCTIONS	6
CLEARANCES	6
OPERATION INSTRUCTIONS.....	7
PRIOR TO USE SAFEGUARDS.....	7
LIGHTING PROCEDURES	8
IMPORTANT OVEN LIGHTING NOTES.....	8
SHUT DOWN PROCEDURE:.....	8
SEQUENCE OF OPERATION.....	9
COOKING WITH YOUR BOSS GORILLA 200/600 OVEN	10
SERVICE & MAINTENANCE.....	11
CLEANING AND SERVICING THE GORILLA 200/600.....	11
CLEANING THE EXTERIOR OF THE GORILLA 200/600 OVEN	12
USING A POWER WASHER TO CLEAN THE EXTERIOR OF THE OVEN	12
CLEANING INTERIOR AND SERVICING THE GORILLA 200/600 OVEN	13
APPROVED CLEANING PRODUCTS FOR USE ON THE INTERIOR OF THE GORILLA 200/600 OVEN:	13
IMPORTANT NOTES ABOUT CLEANING THE INTERIOR OF THE OVEN	13
TIPS TO PREVENT DAMAGING YOUR OVEN	14
PERFORMING ROUTINE MAINTENANCE	15
REPLACING THE BATTERY PACK AND LED’S ON THE GORILLA 200/600.....	15
ACCESS THE PILOT ASSEMBLY.....	16
FLAME VIEW DOORS.....	16
BURNER FLAME APPEARANCE.....	16
ANNUAL MAINTENANCE / THOROUGH CLEANING PROCESS	17
REMOVING OVEN COOKING CAVITY COMPONENTS:.....	17
CLEANING THE BURNER COVERS AND BURNERS:	17
DETAILED SERVICE COMMENTS AND INSTRUCTIONS	18
ACCESS TO CONTROL AND GAS TRAIN COMPONENTS (LEFT SECTION)	18
ACCESS TO THE MANIFOLDS AND GAS TRAIN (RIGHT SECTION)	19
ACCESS THE LIGHTER TUBES AND FRONT OF THE BURNERS.....	19
TO REMOVE THE BURNERS AND BURNER COVERS:	19
ELECTRICAL DRAWINGS	20
ELECTRICAL SCHEMATIC	20
ELECTRICAL CONNECTION DRAWING	20
LIMITED WARRANTY.....	21
PARTS COVERED AND LENGTH OF WARRANTY.....	21
SERVICE.....	21

IMPORTANT SAFETY MESSAGES

Dear Customer:

CONGRATULATIONS AND THANK YOU! You have just purchased one of the most rugged and innovative Stainless Steel Re-thermalization Ovens on the market. We have taken great care to provide you with a Gorilla OVEN that will enable you to serve your customers for years to come. BOSS Products strives for Excellence, Innovation, and Integrity in every aspect of our business – this results in great products and great service!

IMPORTANT SAFETY INSTRUCTIONS

WARNING

This symbol identifies the most important safety messages in this manual. When you see this symbol, be alert to the possibility of minor to serious bodily injury if the instructions are not followed. Be sure to read and carefully follow the messages that follow. When a warning symbol precedes a section title, the warning applies to all instructions in that section.

WARNING

HAZARDOUS FIRE OR EXPLOSION MAY RESULT IF THE INSTRUCTIONS IN THIS MANUAL ARE NOT FOLLOWED. READ ALL THE INFORMATION IN THIS MANUAL BEFORE USING THE GORILLA 200/600 OVEN.

Your new Boss GORILLA 200/600 OVEN is a safe, convenient appliance when assembled and used properly. However, as with all gas-fired products, certain safeguards must be observed. It is your responsibility to install, operate, and care for your gas GORILLA 200/600 OVEN properly. If you have questions concerning installation, operation, or servicing of this appliance after reading these instructions completely, contact Boss Products, Inc. at (574) 862-2184.

WARNING

FOR YOUR SAFETY

1. Never check for gas leaks with a lighted match or open flame.
2. DO NOT let children operate or play near OVEN.
3. Always leave full LP cylinders outdoors.

WARNING **FOR YOUR SAFETY**

Inspection and cleaning of the burners is necessary when appliance is not used on a daily basis. Spiders and other insects may nest in your burners which may cause a flashback. This may result in a hazardous fire or explosion causing serious bodily injury or property damage. Follow the burner cleaning instructions in the “Service & Maintenance” section of this manual.

INSTALLATION WARNINGS

Gas Supply System Notifications



The manufacturer assumes NO RESPONSIBILITY for the Gas Supply System that the customer connects to the Gorilla 200/600 Oven. It is solely the responsibility of the customer to insure the proper and safe utilization of LP Gas that is connected to this appliance. Any references to the Gas Supply System provided in this manual are to be interpreted as either suggestion and/or for reference for the customer to investigate the proper standards and codes that may apply. Note: Customer may reference the *American National Standard / CSA Standard for Gas Food Service Equipment (ANSI Z83.11 – 2004 / CSA 1.8 – 2004)* for further information regarding this subject.

If the appliance is connected to a self-contained LP-gas supply system, customer should note that any temporary gas system must be installed in accordance with local codes or in the absence of local codes, *ANSI/NFPA 58, Storage and Handling of Liquid Petroleum Gases, or CSA B1 49.1, Natural Gas and Propane Installation Code*.

The Gorilla 200/600 Oven contains an Appliance Regulator for regulating the appropriate gas pressures to the oven gas controls. This regulator is well protected by the Control Panel Cover. To avoid exposure to Rain, Freezing rain, snow, ice, and other debris never leave the appliance outside with the cover removed or open.

IT IS THE CUSTOMERS RESPONSIBILITY TO SUPPLY THE FOLLOWING FOR PROPER AND SAFE OPERATION OF THE GORILLA 200/600 OVEN:

1. LP (PROPANE) GAS
2. REGARDLESS OF GAS SUPPLY SYSTEM USED, THE PRESSURE SUPPLIED TO THE APPLIANCE SHALL NOT EXCEED ½ PSI.

Local Codes Concerning Installation

Install this appliance in accordance with all applicable local codes and gas utility requirements. In the absence of local codes, install in accordance with the current *National Fuel Gas Code, ANSI Z223.1/NFPA 54 – (Latest Edition)*, or the *Natural Gas and Propane Installation Code, CSA B149.1 – (latest edition)* as applicable.

Important Considerations:

1. The oven must be disconnected from the gas supply system during pressure testing with test pressures in excess of ½ psi (3.5 kPa).
2. The manual shutoff valve on the oven must be closed during pressure testing with pressures equal to or less than ½ psi (3.5 kPa).

For maintenance (other than regular cleaning) and repair information, contact the Manufacturer. Boss Products Inc. 602 Maple Lane Wakarusa, Indiana 46573.

The handling, storage and transportation of all sizes of gas cylinders must be in accordance with *ANSI/NSFPA 58, Storage and Handling of Liquid Petroleum Gases, or CSA B149.1, Natural Gas and Propane Installation Code*.

INSTALLATION WARNINGS

The gas pressure regulator supplied with this appliance should not be removed or tampered with. Removal or incorrect adjustment of the pressure regulator may result in serious injury or property damage. Contact the manufacturer if a problem with the gas pressure regulator occurs or is suspected.

WARNING

1. **Never store a gas cylinder in a high heat area.**
2. **Do not leave a gas cylinder in a closed, car, truck or in direct sunlight.**
3. **Do not store or transport gas cylinders in the Oven.**

Follow these safety rules upon installation and before each use:

- DO NOT place anything on top of the GORILLA 200/600 OVEN.
 - Inspect the 3 flue openings at the top of oven to be sure they are clear of obstruction and debris.
- DO NOT block combustion air supply to the appliance.
 - Combustion air is fed to the oven from underneath and through the vent openings on the front panel – DO NOT block these areas with any foreign objects.
 - Always keep the area around and under the OVEN clear from any combustible materials, gasoline, and other flammable gas and liquids, including LP cylinders.
 - DO NOT operate the GORILLA 200/600 OVEN in ambient temperatures below 32°F.
 - If a gas connection hose lies on the ground take precautions to insure that the hose is not across a walkway. Post signs or barricade to insure that the hose will not be accidentally tripped on or damaged. The hose should also be inspected for damage and leaks.

INSTALLATION

INSTALLATION

The following guidelines for the installation of the Gorilla Ovens must be followed to comply with the UL listing standards and for your safety.

This appliance is suitable for either outdoor or indoor installation in a properly ventilated space.

Connecting the Gas Supply and Securing the Oven

The GORILLA 200/600 OVEN is constructed on semi-steel casters which are not to be removed for any reason, other than repair or replacement. If replacement is necessary only casters supplied or approved by Boss Products may be used.

- 1) Install the oven with a connector that complies with the *Standard for Connectors for Movable Gas Appliances*, ANSI Z21.69 * CSA 6.16, and a quick-disconnect device that complies with the standard for *Quick-Disconnect Devices for Use with Gas Fuel*, ANSI z21.41 * CSA 6.9.
- 2) In order to prevent strain on the connector, the quick-disconnect device, or the piping it is connected to, movement of the GORILLA 200/600 Oven must be limited. Therefore, the front casters on the GORILLA 200/600 OVEN are equipped with a locking mechanism. Set the casters in the lock position prior to each use. However, in order to properly secure the oven, the following additional measures must be taken:
 - a) **RESTRAINING STRAP:** Connect one end of a “Lanyard” type restraining strap to the oven’s Restraining Strap Connector and the other to a secure point in your cooking area. (DO NOT connect the restraining strap to any part of your gas piping system or LP cylinders)
 - i) The Restraining Strap Connector is located on the lower frame on the left-front corner of the oven.
 - b) **LEVELING JACKS:** Use at least two Jacks (placement of the jacks is dependant upon the evenness of the installation surface) to hold the oven in place. (see Leveling Instructions section for instructions on how to properly install the leveling jacks).
 - c) **WHEEL CHOCKS:** Use adequate “chocking” devices that are suitable for the caster size, caster material, and the weight of the oven; to secure the oven in place.

IMPORTANT: ALWAYS TEST THE INSTALLATION BY ATTEMPTING TO PUSH THE OVEN IN TWO DIFFERENT DIRECTIONS TO ENSURE IT WILL NOT MOVE AND STRAIN THE GAS CONNECTING DEVICES.

INSTALLATION

Leveling Instructions

IMPORTANT: When installing the Gorilla 200/600 Oven on uneven surfaces, it is imperative that you adhere to the instructions in this section in order to level the oven for operation. **DO NOT** operate the oven without properly leveling it.

The Gorilla 200/600 Oven is equipped with Leveling Jack Receivers and the Leveling Jacks themselves are available from Boss Products. A Leveling Jack Receiver is located at each corner of the oven.

To level the oven:

1. Based upon the layout of the installation surface, determine the appropriate number and location of jacks required.
2. Slide the jack post into the receiver and insert the locking pin to hold the jack in place.
3. Once all jacks are installed, begin to lower the jacks and level the oven.

IMPORTANT CONSIDERATIONS AND WARNINGS

1. ALWAYS use a sufficient number of jacks in order to level the oven AND keep it stable.
2. Be careful when raising and lower the oven – be sure to alternate between the leveling jacks being used so as not to lose stability of the oven by raising one jack much higher than the other jack/s.
3. **DO NOT** attempt to operate the oven on surfaces with a slant that is greater than the ability of the leveling jacks to safely level the oven.
4. **DO NOT** use blocks under the Jacks for the purpose of installing the oven on a surface that is greater than the ability of the jacks to safely level the oven.
5. **DO NOT** install the oven on a surface that is too soft to support the weight of the oven, such that the jacks and/or casters begin to sink.
6. If only using 2 leveling jacks and the oven is still able to move, use Wheel Chocks to secure the oven in place.

Clearances

Be sure to locate oven safe distances away from all other appliances, walls, or other obstructions, as per the Safety Clearances outlined below. Note that these clearances will allow for optimum operation of the oven. Also note that the combustion air supply opening to the oven is underneath the front of the oven. **DO NOT** Block the space between the installation surface (ground) and the bottom of the oven.

For Installation on/near Combustible surfaces:

These are the minimum clearance from surface of Oven to wall, ground, ceiling, another appliance, or other structure / piece of equipment.

Sides = 12"

Back = 12"

Bottom = 8 ¼"

Top = 24"

For Installation on/near Non-Combustible surfaces:

These are the minimum clearance from surface of Oven to wall, ground, ceiling, another appliance, or other structure / piece of equipment.

Sides = 10"

Back = 10"

Bottom = 8 ¼"

Top = 24"

OPERATION INSTRUCTIONS

OPERATION INSTRUCTIONS

Prior To Use Safeguards

Be sure everyone who will operate this appliance reads and understands all the information in this manual.

Follow these steps each time you use your GORILLA 200/600 OVEN.

- ✓ Visually inspect the burners from the Flame View Doors and the Rear Access Panels. Look for and remove debris, or other foreign material that may be clogging the burner ports.
- ✓ Visually inspect the Gas Train Components below the Control panel Cover. Also look at the gas train from under the front of the oven to verify the gas train piping hasn't been damaged.
- ✓ Visually inspect the Pilot Assembly to verify the Sparker, Thermopile, and Pilot Hood are in good working condition
- ✓ If Gas Supply System has been disconnected and is being re-connected:
 - Leak test all connections to the oven before attempting to light the oven.
 - Verify that the Manual Shut-off valve is in the OFF (red handle perpendicular to brass valve body) position before turning on gas supply to the oven.
- ✓ Move any electrical supply cords and/or fuel supply hoses away from oven surfaces and undercarriage.
- ✓ Read the control panel operating instructions. (If the label is illegible order a new label)
- ✓ Verify there is nothing on top of the oven.
- ✓ Verify the oven casters are locked and that the oven is secured in place.

IMPORTANT: DO NOT attempt to light and/or operate the GORILLA 200/600 OVEN unless you have already confirmed that the proper safety measures have been taken and the oven has been correctly installed. If you are unsure re-read the "Safety Messages" and the "Installation Instructions" sections of this manual.

OPERATION INSTRUCTIONS

Lighting Procedures

1. Close Oven Doors and Open Main Gas Supply Valve.
2. Position "Power Supply" Toggle to the "ON" Position.
3. Turn Gas Cock Valve to "Pilot" Position. (see Fig. A located on the oven)
4. Simultaneously depress and hold Gas Cock Valve and Ignition Button for 5-10 seconds.
5. Release Ignition and Continue to hold Gas Cock Valve for an Additional 30-45 seconds.
6. Release Gas Cock Valve (If Red Indicator Light Illuminates, Follow RE-LIGHT Instructions above).
7. Turn Gas Cock Valve to "ON" Position and adjust Temperature Control to desired set point.

WARNING

After lighting the GORILLA 200/600 Oven close the Control Panel Cover. Failure to do so may cause freezing rain, snow or other debris to block the regulator vent causing excessive buildup of pressure in the oven. This can lead to serious personal injury and property damage.

Important Oven Lighting Notes

- ✓ If oven has been disconnected from gas supply and recently re-connected, it may take in excess of 3-5 minutes to purge the pilot line of air, before it will light.
- ✓ Upon lighting the oven after it has remained off for a period of one hour or more, the oven will perform better if the pilot is allowed to stabilize for approximately 15 minutes before turning the thermostat on.

Shut down Procedure:

1. Turn Temperature Control Thermostat all the way down.
2. Turn the Gas Cock Valve to the "OFF" Position. (See Fig A located on the oven)
(At this point the Green Indicator Light will go out and the Red Indicator light will illuminate)
3. Position the "Power Supply" Toggle to "OFF" Position.
4. Close the Main Gas Supply Valve. (All Indicator lights should be out)

WARNING

If the burner flame goes out while using the GORILLA 200/600 OVEN, turn control panel burner valve knob OFF immediately. Open GORILLA 200/600 OVEN doors and combustion chambers and wait 5 minutes before re-lighting.

OPERATION INSTRUCTIONS

Sequence of Operation

The following instructions explain the operation of the oven and the indicator light system that is part of the Gorilla 200/600 design. If used properly, this system will greatly assist you in preparing food to your desired specifications.

IMPORTANT: This does not serve as the official Lighting Instructions for the oven. Always refer to the lighting instructions found in this section of the manual, or the same instructions that are posted on the oven, on the underside of the Control Panel Cover.

The ON/OFF Toggle Switch opens/closes the 9V DC power to the entire circuit. Always turn this switch to the OFF position when the oven is not in use to conserve the Battery.

When switching the toggle to the ON position, the Red LED will illuminate indicating that the Pilot valve is closed (no gas flowing to the Pilot) - hence the pilot is not lit. Upon turning the Gas Cock Knob to the Pilot Position and depressing it, the Red LED will go out and the Green LED will illuminate, showing that there is pressure in the Pilot Line. Pressing the Blue Igniter Button activate sparking at the electrode to light the Pilot. Upon Pilot ignition, the electrode will cease to spark (even if the pushbutton is depressed). Once the Thermopile is properly generating enough voltage to hold the safety magnet open, the Gas Cock Knob can be released and the Green LED will remain illuminated.

NOTE: if the Green LED goes out and the Red LED illuminates when the operator releases the Gas Cock Knob, this indicates that the Pilot did NOT light, and the lighting procedure must be repeated (after waiting 5 minutes for un-ignited LP gas to dissipate.)

With the Pilot lit, the oven is ready for the thermostat to cycle the main burners. Turning the thermostat temperature up will activate the gas control valve and open main burner supply. At this time the yellow LED will illuminate, signifying that the gas valve is open and supplying gas to the main burners.

NOTE: This does not prove that the main burners have lit, only that gas is being supplied to them for proper operation.

OPERATION INSTRUCTIONS

Cooking With Your Boss GORILLA 200/600 OVEN

1. Pre-heat the oven prior to use – It should take 20 – 25 minutes for the oven to reach 400°F.
2. Begin to load the oven from bottom to top, one section at a time, to prevent unnecessary heat loss.
3. Set the thermostat to the appropriate cooking temperature.
4. Close the control panel door.
5. When the cooking period has expired, use extreme caution removing the pans/trays as the interior of the oven door will be **hot** as will all the contents of the oven. (Use appropriate hot pads/oven mitts.)
6. Remove pans from top to bottom.
7. To remove rear pans, pull the handle in the front of each shelf to slide the rear pans forward. Use caution when pulling out the handle; avoid pulling handle out too far and causing pan to spill out. Serious burn injury may result.

SERVICE & MAINTENANCE

SERVICE & MAINTENANCE

WARNING

Turn off and disconnect oven from all gas before cleaning or performing any maintenance.

Cleaning and Servicing the Gorilla 200/600

Most of the components on the Gorilla 200/600 can be accessed via the control panel and the Observation Doors, located on the front of the oven. The Pilot access door is located on the left side of the oven (lower, front corner). The rear combustion doors, located at the lower rear portion of the oven provide access to the burners, Heat Plates, and the Burner Cover Assemblies.

WARNING

NEVER PERFORM ROUTINE MAINTENANCE, CLEANING, OR SERVICE WORK ON THE GORILLA 200/600 OVEN OF ANY KIND WITHOUT FIRST:

1. Turning off the Manual Gas Shut-off Valve.
2. Turning off and disconnecting Gas Supply to the oven.
3. Securing the Oven to make sure it can not move.

NOTE: *If it is necessary to have the gas supply connected to the oven for testing / performing maintenance, make sure that the oven is securely locked in place so it cannot move and is not straining the gas supply piping or connectors.*

Clean the GORILLA 200/600 OVEN only when the oven is cool. For best results and to insure safety, wipe the exterior of the oven down prior to each use.

WARNING

Surfaces of the Oven may be **HOT!** Allow Oven to Cool before attempting to clean or service.

About the Stainless Steel...

All exterior surfaces, inside the oven cavity, and the burners of the oven are made from stainless steel. Stainless steel is an alloy of iron which contains more than 10% chromium. Noted for its hardness, Stainless steel resists stains but occasionally dulls or will show oily finger prints. In the process of making it, a little of the chromium in the alloy is used to form the hard oxide coating on the surface. If this is taken off, through corrosion or wear, the steel rusts like regular steel. *Therefore, do not clean your grill with abrasive chemical cleaners or materials (such as steel wool or wire brushes).*

IMPORTANT NOTE: *Using products with steel, or other corrosive metals to scrub the stainless steel, will embed impurities in the surface and eventually cause the stainless steel to corrode, or rust. **DO NOT USE ANY CORROSIVE METAL PRODUCTS ON ANY STAINLESS STEEL PART OF THE GRILL.***

SERVICE & MAINTENANCE

Cleaning the Exterior of the Gorilla 200/600 Oven

The least costly and often most convenient way to clean the exterior of the oven is with a clean soft cloth and clean warm water. Simply close all oven doors and panel covers and wash down the exterior. To avoid water marks dry the oven with clean soft cloths. Put on the finishing shine by applying a light coat of Boss Stainless Steel care with a clean dry cloth or towel.

Other safe methods of cleaning the stainless steel surfaces are listed below:

- ✧ **Vinegar:** To clean and polish stainless steel, simply moisten a cloth with undiluted white or cider vinegar and wipe clean.
- ✧ **Club Soda:** Remove streaks or heat stains from stainless steel by rubbing with club soda.
- ✧ **Soap and Water:** With a clean cloth and a mild dish detergent wipe the stainless steel surfaces clean. Rinse thoroughly with clean water. Dry the surfaces with a clean soft cloth to avoid water marks. (club soda or vinegar will remove water marks and streaks)
- ✧ **Glass Cleaner:** A regular household glass cleaner can be used with a clean cloth or paper towel to remove finger prints and other smudges on the surface.
- ✧ **Stainless Steel Polish:** Although there are several brands of stainless steel polish on the market, we have found our own brand provides the best cleaning power, while leaving a shiny “wet” finish for the best look of polished stainless steel. (Call Boss Products for more information or to place an order)

NEVER USE ABRASIVE MATERIALS OR OTHER HARSH CHEMICAL CLEANERS ON THE EXTERIOR OF THE Gorilla 200/600!

Using a Power Washer to Clean the Exterior of the Oven

Using a high pressure power washer on the exterior of the oven is a very effective means to clean the oven. When doing so, follow these important guidelines:

1. Always verify the control panel doors are closed before spraying and DO NOT spray directly on the Control Panel Cover or inside the Control Panel Cover.
2. DO NOT get the Gas Train Components (the Appliance Regulator and the Combination Gas Valve) wet!
3. DO NOT spray directly on any markings and/or labels.

SERVICE & MAINTENANCE

Cleaning Interior and Servicing the Gorilla 200/600 Oven

ALWAYS Wait several hours after use of the GORILLA 200/600 Oven to clean the interior and/or service the oven. Cleaning, or performing service on the oven while it is hot may result in severe personal injury. Be sure to turn off all gas prior to cleaning.

Approved Cleaning Products for Use on the Interior of the Gorilla 200/600 Oven:

- ✧ Stainless Steel Brush
- ✧ Stainless Steel Pad
- ✧ Plastic Scratch Pad (“Scotch” brand, or similar)
- ✧ Off-The-Shelf Oven Cleaners made for stainless steel
- ✧ Commercial Grade Oven Cleaning Chemicals (Read directions thoroughly and use care when working with chemical cleaners of any type, as personal injury may occur).
 - NOTE: DO NOT use these chemicals on the exterior of the oven (especially on, or near the control panel components).
 - Use of commercial acidic cleaners or caustic solutions is not recommended.

Important Notes about Cleaning the Interior of the Oven

1. When cleaning the interior of the oven it is important to have ample room on the backside of the oven.
2. ALWAYS secure the oven by locking the casters and making sure that it will not move, prior to cleaning it.
3. Open the Rear Access Panels and secure them in the open position by placing the bumper stops in the upper hole on the back of the oven.
 - a. When cleaning/spraying out the interior of the oven, the Oven Heat Plate will act as a “catch” for all the water and waste material. It is designed for the water and waste material to flow out the back of the oven, as you spray it out.
4. The Pan Guides may be removed if necessary by lifting off of the front supports and sliding outward.

The most effective means to thoroughly clean the interior of the oven is a combination of a good oven cleaning solution and a power washer.

- a. ALWAYS follow the directions provided with the oven cleaner and use caution whenever working with chemical cleaners.
- b. Use only approved scrubbing products on tough areas of grease or carbon build-up.

SERVICE & MAINTENANCE

Tips to Prevent Damaging Your Oven

1. DO NOT use regular steel products (such as steel wool pads, steel wire brush, or scratch pads that contain steel) to clean any of the stainless steel parts of the oven.
2. DO NOT use abrasive materials to clean the exterior of the oven, as they will leave scratch marks in the stainless steel and will damage the appearance of the oven.
3. DO NOT use a caustic cleaner on any stainless steel surface, or the shiny bright appearance of the may be damaged.
4. DO NOT attempt to light the oven until it is completely rinsed of any cleaning chemical cleaners and the burners have had ample time to dry out.

SERVICE & MAINTENANCE

Performing Routine Maintenance

To be performed on a regular basis, the following instructions will assist in maintaining a safe and properly functioning appliance.

Replacing the Battery Pack and LED's on the Gorilla 200/600

The power needed for the Ignition Module, which controls the Pushbutton Ignition; and the Indicator Light Circuit is provided by a 6 cell , 9 Volt disposable Battery Pack. The battery pack should be replaced when it becomes weak. Indicators of a weak battery pack are:

- A. The ignition may spark very slowly or not at all
- B. The LED indicators will dim or go out.

IMPORTANT: DO NOT USE ANYTHING OTHER THAN A REPLACEMENT BATTERY PACK SUPPLIED BY BOSS PRODUCTS IN THE GORILLA 200/600 OVEN. FAILURE TO COMPLY WITH THIS MAY VOID THE UL CERTIFICATION OF THE OVEN AND CAUSE PERSONAL INJURY.

Steps to replace the battery pack:

1. Lift Open the Control Panel Cover.
2. Remove 1 screw holding the Indicator Light Panel Closed and open the panel.
3. Disconnect the Battery Pack Connector.
4. Slide the Battery Pack out of the housing.
5. Install the new Battery Pack
6. Connect the new Battery Pack to the Connector.
7. Reassemble in similar manner.

Steps to replace the LEDs:

1. Lift Open the Control Panel Cover.
2. Remove 2 screws holding the indicator light panels face plate.
3. On the back of the face plate unscrew the nut holding the led you wish to change in place.
4. Remove 1 screw holding the Indicator Light Panel Closed and open the panel.
5. Follow the wire lead from the light you are changing to its yellow receptacle.
6. Unplug the old lead wire remove the led and discard.
7. Plug the new led wire into the yellow receptacle.
8. Put the new Led in place.
9. On the face plate, screw the nut over the new led to hold it in place.
10. Close the light panel and replace the one screw
11. Position the face plate over the Led's and screw back in place.

IMPORTANT:

1. ***DO NOT OPERATE THE GORILLA 200/600 OVEN WITHOUT A FUNCTIONING BATTERY PACK INSTALLED.***
2. ***DO NOT OPERATE THE GORILLA 200/600 OVEN WITHOUT THE CONTROL AND INDICATOR COMPONENTS PROPERLY FUNCTIONING.***

SERVICE & MAINTENANCE

Access the Pilot Assembly

The Pilot Access Door is located on the lower left corner of the Oven and provides the means to access the Pilot Assembly for the following reasons:

1. To inspect the Pilot Flame and operation.
2. To manually light the Pilot.
3. To Remove the Pilot Assembly (Pilot, Thermopile, and Sparker)

To remove the Pilot Assembly, follow these steps:

1. Open the Pilot Access Door
2. Remove the 2 screws that fasten the Pilot Assembly to the mounting bracket that is affixed to the burner.
3. Disconnect the Sparker Lead from the Sparker.
4. Loosen the Nut that holds the Thermopile in Place.
5. Disconnect the Pilot Gas Line that provides gas to the Pilot.
6. Now the Pilot Hood and Bracket are free to be removed from the oven.
7. Reassemble in a similar manner.

Flame View Doors

To view the burners in operation, simply lift the Flame View Latch and Lift open the Flame View Door.

Burner Flame Appearance

It is a good practice to visually inspect the burner performance on a regular basis. You can view the burner flame through the Flame View Doors on the front of the oven, through the Pilot Access Door on the left side of the oven, and through the Rear Access Panels on the back of the oven. Following are some things to look for as you inspect the oven burner system for proper operation:

1. **Proper Gas Valve Operation:** The gas control for the oven is “Full On / Full Off” type control; the flame is on, or off depending upon the thermostat setting and its sensing element in the oven cavity. Therefore, the flame should never appear “weak”, or gradual. If this is observed, turn the oven off and contact Boss Products. The Combination Gas Valve is not functioning properly and needs to be replaced.
2. **Burner Flame Characteristics:** Some yellow in the flame is normal. However, if you see all yellow flames coming from the burner, and/or the flame across the whole burner is irregular (small, or non-existent in some areas and large in other areas); you should turn off the oven immediately and check for the following:
 1. Burner holes for clogs
 2. Debris inside the Burners
 3. Blocked Orifices

If you find any clogs, debris or blockages refer to the “Cleaning the Burners and Burner Covers” section of the manual to correct the problem.

Correct any problems before using the GORILLA 200/600 OVEN. If you are unable to find the source of the problem leave the oven off and contact Boss Products for assistance or to schedule a repair.

SERVICE & MAINTENANCE

Annual Maintenance / Thorough Cleaning Process

Following are instructions for performing routine maintenance and thorough cleaning of the interior of the Gorilla 200/600 Oven.

Removing Oven Cooking Cavity Components:

1. Remove all the Pan Guides from the oven
 - a. These can then be spread out and coated with cleaner and sprayed with a power washer.
 - b. If a soak tank is available, these can be soaked in cleaning solution for an extended time and then sprayed with the power washer.
2. Loosen the Center Post Nut (located at the bottom of the center post)
3. Lift the Snorkel Assembly off the Center Post Pins.
4. Remove the Center Post from the oven (take out the Pin that holds it at the top and remove the nut on the bottom).
5. Remove the Snorkel Assembly.
 - a. These items can then be cleaned separately.
6. Now the entire oven cavity is open and easily accessible for cleaning.

Cleaning the Burner Covers and Burners:

It is recommended that the burners be inspected and properly cleaned in this fashion after a prolonged period of storage, and/or heavy use to insure safe and proper operation of the Gorilla 200/600 Oven.

1. Slide the Oven Bottoms/Heat Plates out the rear of the oven.
2. Remove the two bolts that hold the Burner covers in place.
 - a. Use a wire brush (different from the one used on stainless steel parts) to clean off the burner covers.
 - b. **IMPORTANT:** NEVER USE ANY CLEANING DEVICE THAT HAS BEEN USED ON "REGULAR" STEEL, ON A STAINLESS STEEL PART! THE STEEL PARTICLES LEFT ON THE DEVICE WILL EMBED IN THE STAINLESS STEEL AND RUST WILL FORM, CAUSING CORROSION AND BREAKDOWN OF STAINLESS STEEL PROPERTIES. THIS WILL VOID ANY WARRANTY ON ANY STAINLESS STEEL PARTS.
3. Slide the Burner Covers out the rear of the oven.
4. Using a stainless steel wire brush to clean the ports on the burners from inside the oven cavity.
 - a. Make sure any debris that may be blocking burner ports is removed.
5. Do the same for the Lighter Tubes.
 - a. **IMPORTANT:** BE VERY CAREFUL WHEN CLEANING THE LIGHTER TUBES – DO NOT BEND, OR DAMAGE IN ANY WAY THE LIGHTER TUBES.
6. Using compressed air, blow out the burners.
 - a. Run the nozzle along the entire length of ports.
 - b. Open the flame view doors and remove the panels covering the manifolds and orifices.
 - c. Blow air into the Air-Shutters on the end of the burners to blow debris out of the burners.
 - d. Be sure not to clog the orifices that feed the burners with any debris.
7. Re-assemble in the same order as removed.

SERVICE & MAINTENANCE

Detailed Service Comments and Instructions

The Gorilla 200/600 Oven is designed to provide years of consistent and reliable service. If something other than routine maintenance is required for the oven, Contact Boss Products.

DO NOT dismantle and attempt servicing the gas components and/or electrical control circuitry.

Should you experience problems with the Gorilla 200/600 and are unable to diagnose and fix the problem contact Boss Products (574-862-2184 ext. 111).

- DO NOT adjust, replace, or alter any of the Gas components.
- DO NOT employ the services of a third party service entity without Contacting Boss Products, to ensure they are approved by Boss Products to perform service on the oven; and to insure that only the appropriate components are used in the repair of the Gorilla 200/600 oven.

WARNING

Failing to follow these guidelines could void the UL certification of the Gorilla 200/600 Oven, putting your organization at risk by creating a safety hazard.

Access to Control and Gas Train Components (Left Section)

DO NOT perform the following sequence without first contacting Boss Products, in order to identify whether it is necessary to do so.

The following sequence explains how to remove all the panels and gain access to all the gas train components, the electrical components, and the gas pressure switches. It is not necessary to follow all these steps, depending upon which components are requiring servicing. The electrical wiring diagram is located on the inside of the control panel cover for reference when working with the electrical components and their connectivity.

1. Lift open the Control Panel Cover and the Manual Shut-Off Cover
2. Remove 1 screw holding the Main Control Panel and open the panel (it is hinged).
3. Remove 1 screw holding the Indicator Light Panel and open the panel (it is hinged).
4. Remove 2 screws holding the ignition module and disconnect the wires to the module and remove it. Located at the hinge for the Main Control Panel.
5. Remove the Remove the 2 screws securing the Main Control Panel.
 - a. Disconnect the wires and remove the panel.
6. Remove the 2 screws securing the Indicator Light Panel.
 - a. Disconnect the wires and remove the panel.
7. Pull the stainless steel “wrap” that is covering the Lower Frame Piece off – it should slide directly away from the oven body.
8. Remove the 2 screws that is securing the Electrical Panel and lift it out.
 - a. Disconnect all wires at the terminal block.
 - b. Slide the wires through the holes in the panel and remove the panel.

SERVICE & MAINTENANCE

9. Lift out the Combination Valve Cover.

Access to the Manifolds and Gas Train (Right Section)

The following sequence provides access to the manifolds, the air shutters on the burners, the orifices that feed the burners, the gas supply piping that feeds the manifolds, and the flexible hose that is integral to the supply piping.

1. Lift Hold-Down Latch on the Gas Train Panels and Open the Flame View Doors
2. Remove the plates that secure the Gas Train Panels in place (2 hex head Screws per plate).
3. Lift the Gas Train Panels out.

Access the Lighter Tubes and Front of the Burners

To view the burners in operation, simply lift the Flame View Latch and Lift open the Flame View Door. To gain access inside the combustion chamber and view the lighter tubes perform the following

1. Open the Rear Access Panels on the rear of the oven
2. Unscrew the Bumpers that hold them closed and then use the bumpers to hold them open by screwing it into the hole provided above the doors.
3. Unhook and remove the deflector
4. Slide the Oven Bottom/Heat Plate out by pulling it toward the back of the oven
5. You can now access the front of the burners through front door of the oven as well as through the Flame View Door.

To Remove the Burners and Burner Covers:

We recommend that this procedure be performed by Boss Products only.

1. Slide the Oven Bottoms/Heat Plates out the rear of the oven.
2. Remove the two bolts that hold the Burner covers in place
3. Slide the Burner Covers out the rear of the oven.
4. Remove the two Bolts that hold the Rear of the Burners in place.
5. From the left side of the oven, open the Pilot Access Panel and remove the cotter pin that holds the Burner Hold-Down Rod in place.
6. Pull the Burner Hold-Down Rod out of the oven.
7. From the front of the oven, open the Flame view doors.
8. **VERY CAREFULLY AND STARTING WITH THE RIGHT MOST BURNER SECTION (LOOKING AT THE OVEN FROM THE FRONT)**, move the burner assembly in a manner that will slide the Lighter Tube out of the Lighter Tube Bracket that holds the two Burner Assemblies together.
9. Once the Lighter Tube is free, **CAREFULLY** slide the Burner Assembly out the rear of the oven.
10. Repeat steps 8 and 9 for the middle Burner Assembly.
11. Repeat steps 8 and 9 for the left most Burner Assembly.
12. Reassemble in the same manner as was removed.
 - a. **IMPORTANT:** Make sure that the Lighter Tubes are properly secured by the Lighter Tube Bracket and that the Lighter Tubes align properly with each other.

LIMITED WARRANTY

LIMITED WARRANTY

Parts covered and length of Warranty

Effective the original date this grill is purchased from the manufacturer, Boss Products Inc. will replace or repair any defective part covered by this warranty under the following conditions:

Limited Lifetime Warranty

- ✧ Stainless Steel Grilling Surface

Limited 5 Year Warranty

- ✧ Stainless Steel Burners
- ✧ Stainless Steel Hood
- ✧ Stainless Steel shelving
- ✧ Stainless Steel Handles

Limited 1-Year Warranty

- ✧ Appliance Regulator
- ✧ Manual Shut off Valve
- ✧ Flex-hose
- ✧ Manifolds

Not Covered under Warranty

- ✧ Removal and Reinstallation cost
- ✧ Labor for replacement or repair
- ✧ Transportation and Shipping costs of parts
- ✧ Service calls to diagnose a problem
- ✧ Scratches, dents, corrosion, or discoloration of surface finishes that are caused by excessive heat, abrasive, or chemical cleaners, misuse, improper storage, improper installation, accident, abuse, or alteration
- ✧ Damages resulting from improper or lack of regular cleaning including discoloration due to grease fires
- ✧ Damage caused by exposure to the elements, insects, weather, or hail.
- ✧ Damages resulting from user error or carelessness

Any alterations or repairs that have been performed on the grill not authorized by Boss Products Void this warranty.

This warranty does not intend to imply that Boss Products Inc. assumes any responsibility for damages that may result from user error, misuse, or improper installation of this grill.

This warranty covers expressly those claims involving defective materials or workmanship of the manufacturer.

Proof of purchase will be required when a claim is made against this warranty. The warranty is valid from original purchase of the grill and is not transferable.

Service

To request service or parts contact the manufacturer, Boss Products, at (574)-862-2184 x 107. Please be prepared to provide model, serial number, and proof of purchase.