

Napoleon COS485PK-A

Napoleon 485 Propane Gas Grill User Manual

Model: COS485PK-A

INTRODUCTION

This manual provides essential information for the safe and efficient use of your Napoleon 485 Propane Gas Grill. Please read all instructions carefully before assembly, operation, or maintenance to ensure proper function and safety.

Important Safety Information

- Always operate the grill outdoors in a well-ventilated area.
- Keep children and pets away from the grill during operation.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Ensure all gas connections are tight and leak-free before use.
- Never leave a lit grill unattended.
- Refer to local codes and regulations for installation and use.

SETUP AND ASSEMBLY

The Napoleon 485 Propane Gas Grill requires assembly. Follow the steps below for proper setup. It is recommended to have two people for assembly.

Unpacking and Component Check

Carefully remove all components from the packaging. Verify that all parts listed in the included parts diagram are present and undamaged. Report any missing or damaged parts to Napoleon customer service before proceeding with assembly.

Assembly Steps

1. **Base Cabinet Assembly:** Assemble the base cabinet structure, ensuring all panels and supports are securely fastened. The cabinet provides storage and houses the propane tank.
2. **Caster Wheel Installation:** Attach the Easy Roll locking caster wheels to the base of the cabinet. Ensure they are securely tightened for stability and mobility.
3. **Burner Box and Control Panel Attachment:** Mount the main burner box and control panel assembly onto the base cabinet. Connect all gas lines and electrical components as per the detailed diagrams in the separate assembly guide.

4. **Side Shelf Installation:** Attach the stainless steel side shelves to the main grill body. These shelves include built-in tool hooks and condiment holders.
5. **Lid Assembly:** Secure the double-walled Lift Ease stainless steel lid to the main grill body. Ensure the hinges operate smoothly.
6. **Cooking Grids and Heat Distribution Plates:** Place the porcelainized cast iron WAVE cooking grids and heat distribution plates inside the burner box.
7. **Propane Tank Connection:** Connect the propane tank to the grill's gas line, ensuring a tight seal. Perform a leak test before initial use.



Figure 1: Front view of the assembled Napoleon 485 Propane Gas Grill with the lid closed, showcasing the stainless steel construction and control panel.



Figure 2: Front view of the Napoleon 485 Propane Gas Grill with the cabinet doors open, revealing the propane tank storage area and internal components.

OPERATING INSTRUCTIONS

Pre-Operation Checklist

- Ensure the propane tank is full and properly connected.
- Check for any gas leaks using a soapy water solution on connections.
- Confirm the grill is on a level, stable surface.
- Open the grill lid before lighting any burners.

Igniting the Burners (JETFIRE Ignition System)

1. Open the grill lid.
2. Turn on the gas supply at the propane tank valve.
3. Push in and turn one of the ergonomic control knobs to the HIGH position.

4. The Instant JETFIRE Ignition System will shoot a flame to light the burner. You should hear a "click" and see the burner ignite.
5. If the burner does not light within 5 seconds, turn the knob to OFF, wait 5 minutes, and repeat the process.
6. Once the first burner is lit, you can light additional burners by pushing in and turning their respective control knobs to HIGH. The crossover lighting feature will ignite adjacent burners.

Temperature Control

The ergonomic control knobs allow for precise temperature adjustment. Turn the knobs between HIGH and LOW settings to achieve desired cooking temperatures. The double-walled lid helps retain heat for consistent cooking.

Cooking with WAVE Cooking Grids

The porcelainized cast iron WAVE cooking grids provide excellent heat distribution and retention, creating signature sear marks. Preheat the grill for 10-15 minutes on medium-high heat before placing food on the grids.

MAINTENANCE

Cleaning the Cooking Grids

- After each use, while the grill is still warm, use a grill brush to remove food residue from the porcelainized cast iron WAVE cooking grids.
- For deeper cleaning, remove the grids and wash with warm soapy water. Rinse thoroughly and dry completely before reinstalling.

Exterior Cleaning

- Wipe down stainless steel surfaces with a soft cloth and a stainless steel cleaner.
- Clean painted surfaces with mild soap and water.
- Regularly inspect the grease tray and clean as needed to prevent flare-ups.

Annual Inspection

- Inspect all gas hoses and connections for cracks, cuts, or excessive wear. Replace if necessary.
- Check burner ports for blockages and clean with a wire brush if needed.
- Ensure the ignition system is functioning correctly.



Figure 3: Side view of the Napoleon 485 Propane Gas Grill with the lid and cabinet doors open, showing the internal components and side shelf.

Storage

When not in use, especially during extended periods or inclement weather, it is recommended to cover the grill with a protective cover. Disconnect the propane tank if storing indoors.



Figure 4: The Napoleon grill protected by a black cover, suitable for outdoor storage.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------|--|---|
| Burner does not light | No gas flow, clogged burner port, faulty igniter. | Check propane tank level and valve. Clean burner ports. Inspect igniter electrode and wire. |
| Low flame or uneven heat | Low gas pressure, clogged burner ports, regulator issue. | Check propane tank. Clean burner ports. Reset regulator by disconnecting and reconnecting the tank. |
| Flare-ups | Excessive grease buildup, high heat setting. | Clean grease tray and cooking grids regularly. Reduce heat setting. Trim excess fat from food. |
| Gas odor | Gas leak. | Immediately turn off gas supply. Perform a leak test with soapy water. Do not operate if leak is detected. Contact qualified service personnel. |

SPECIFICATIONS

| | |
|---------------------------------------|---|
| Model Name | Napoleon 485 Propane Gas Grill |
| Model Number | COS485PK-A |
| Fuel Type | Propane Gas |
| Main Burner Count | 4 |
| Heating Power | 19800 British Thermal Units (BTU) |
| Product Dimensions (D x W x H) | 25"D x 63"W x 49"H |
| Item Weight | 154 Pounds |
| Material | Stainless Steel (Frame, Handle), Porcelain (Finish) |
| Special Feature | Cast Iron WAVE cooking grids, JETFIRE Ignition System |
| Assembly Required | Yes |

WARRANTY INFORMATION

The Napoleon 485 Propane Gas Grill comes with a **15-Year Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms, conditions, and to register your product, please refer to the warranty card included with your grill or visit the official Napoleon website.

CUSTOMER SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Napoleon 485 Propane Gas Grill, please contact Napoleon customer support. You can find contact information on the official Napoleon website or in the documentation provided with your product.

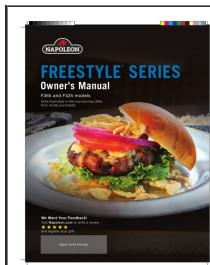
You can also visit the [Napoleon Store on Amazon](#) for additional product information and accessories.



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Related Documents - COS485PK-A

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|---|--|
|  | <p>Napoleon Freestyle Series Owner's Manual (F365, F425 Models)</p> <p>Comprehensive owner's manual for Napoleon Freestyle Series gas grills, models F365 and F425. Covers safety, installation, operation, lighting, grilling techniques, rotisserie use, cleaning, maintenance, troubleshooting, and warranty information.</p> |
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[Napoleon Freestyle Series Grills Owner's Manual: F365 & F425 Models](#)

Comprehensive guide for Napoleon Freestyle Series gas grills (F365 and F425 models). Covers safety precautions, assembly, operation, lighting, grilling techniques, cleaning, maintenance, troubleshooting, and warranty information.



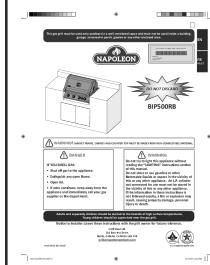
[Napoleon FREESTYLE® GRIDDLE F24DFT Owner's Manual - Safety, Operation, and Maintenance Guide](#)

Comprehensive owner's manual for the Napoleon FREESTYLE® GRIDDLE (F24DFT), covering safety instructions, setup, operation, cooking tips, maintenance, and troubleshooting. Ensure safe and optimal use of your Napoleon griddle.



[Napoleon Prestige Series Gas Grill Owner's Manual - P665, P500](#)

Comprehensive owner's manual for Napoleon Prestige Series gas grills (P665, P500, P500-PHM), covering safety, operation, maintenance, cleaning, and troubleshooting for optimal grilling performance.



[Napoleon BIP500RB Built-In Gas Grill: Installation & Operation Manual](#)

Comprehensive guide for Napoleon BIP500RB built-in gas grill, covering installation, operation, safety, and maintenance. Learn to safely use your Napoleon grill for the best outdoor cooking experience.



[Napoleon Fireplace Fuel Conversion Kit Installation Guide for TLV Series](#)

This guide provides detailed instructions for installing Napoleon's fuel conversion kits (W175-0842, W175-0843, W175-0844) for TLV50, TLV62, and TLV74 fireplaces, converting them from natural gas to propane. It includes essential safety warnings, step-by-step procedures, and adjustment guidelines for optimal performance.