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Masterforce 4707.1

Masterforce FlexPower 400 CFM 20-Volt Cordless Brushless Leaf Blower

Model: 4707.1 - Tool Only

INTRODUCTION

The Masterforce FlexPower 400 CFM 20-Volt Cordless Brushless Leaf Blower is designed for efficient and powerful outdoor cleaning. Featuring a brushless motor, it delivers superior performance, extended run time, and a longer motor life compared to traditional brushed motors. Its lightweight and balanced design, along with a removable tube, ensures ease of use and convenient storage. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your leaf blower.



Image: The Masterforce FlexPower 400 CFM 20-Volt Cordless Brushless Leaf Blower, shown with its main body and attached blower tube.

SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves, when operating the blower.
- Keep children, bystanders, and pets at least 50 feet (15 meters) away from the operating area.

- Do not operate the blower in wet conditions or rain.
- Ensure the blower tube is securely attached before operation.
- Never point the blower nozzle at people or animals.
- Do not operate the blower if any parts are damaged or missing.
- Use only Masterforce FlexPower 18-Volt or 20-Volt battery packs (sold separately) with this tool.
- Store the blower in a dry, secure location out of reach of children.

PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the key features of your Masterforce Leaf Blower:



Image: A diagram highlighting the main components of the Masterforce Leaf Blower, including the Ergonomic Handle with Overmold, Variable Speed Switch, and Turbine Fan.

- **Brushless Motor:** Provides up to 10x longer motor life, up to 30% more power, and up to 1.5x more run time.
- **Variable Speed Trigger Switch:** Allows for maximum control over airflow.
- **Ergonomic Handle with Overmold:** Designed for comfortable grip and reduced fatigue.
- **Turbine Fan:** Optimized for high air volume and speed.
- **Removable Tube:** For easy storage and transport.



Image: An infographic detailing the benefits of Brushless Motor Technology, including longer motor life, more power, and more run-time.

SETUP

1. Attaching the Blower Tube

1. Align the blower tube with the air outlet on the main body of the blower.
2. Push the tube firmly onto the outlet until it clicks into place, ensuring it is securely fastened.
3. To remove, press the release button (if present) and pull the tube off.

2. Installing the Battery Pack

This tool is compatible with all Masterforce FlexPower 18-Volt or 20-Volt battery packs (NiCd or Lithium-Ion), including models 252-8024, 252-8028, 252-8029, 252-8030, 252-8031, 252-8032, 252-8033, 252-8034, 252-8035, 252-8040, 252-8041.

1. Ensure the blower is turned off.
2. Slide a charged Masterforce FlexPower battery pack into the battery port on the blower until it locks securely into place.
3. To remove the battery, press the battery release button and slide the battery pack out.

OPERATING INSTRUCTIONS

Starting and Stopping

1. Ensure the battery is fully charged and properly installed.
2. To start the blower, press and hold the variable speed trigger switch. The blower will start at a low speed.
3. To increase the airflow, press the trigger further. The variable speed trigger allows for precise control of air volume and speed.
4. To stop the blower, release the trigger switch.

General Operation Tips

- Always start blowing debris from the outer edges of the area and work towards the center.
- Use a sweeping motion to effectively move leaves and debris.
- For stubborn debris, use short bursts of full power.
- Avoid blowing debris towards open windows, vehicles, or other objects that could be damaged.

MAINTENANCE

Cleaning

- Disconnect the battery pack before performing any cleaning or maintenance.
- Wipe the exterior of the blower with a clean, damp cloth. Do not use strong detergents or solvents.
- Clear any debris from the air intake vents to ensure proper airflow and prevent overheating.
- Inspect the blower tube for any blockages and remove them if necessary.

Storage

- Remove the battery pack from the blower before storing.
- Store the blower in a cool, dry place, away from direct sunlight and moisture.
- For compact storage, the blower tube can be removed.
- Keep the blower out of reach of children and unauthorized persons.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Blower does not start.	Battery not installed correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Reduced airflow.	Blower tube or air intake blocked.	Clear any debris from the blower tube and air intake vents.
Blower stops during operation.	Battery overheated or discharged.	Allow battery to cool down. Charge battery if necessary.
Unusual noise or vibration.	Loose components or internal damage.	Stop operation immediately. Check for loose parts. If problem persists, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	Masterforce
Model Number	4707.1
Power Source	Battery Powered
Voltage	20 Volts
Air Flow Capacity	Up to 400 CFM
Air Speed	Up to 100 MPH
Motor Type	Brushless
Weight (Tool Only)	4.6 lbs
Special Feature	Adjustable Speed
Compatible Batteries	Masterforce FlexPower 18-Volt or 20-Volt (NiCd or Lithium-Ion)

WARRANTY AND SUPPORT

Masterforce products are built to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the documentation included with your purchase or visit the official Masterforce website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, please contact Masterforce Customer Service.