

## Metabo HPT LF 850 S

# Metabo LF 850 S Corded Paint Remover Tool Instruction Manual

Model: LF 850 S (601049620)

## IMPORTANT SAFETY INSTRUCTIONS

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Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Dust Extraction:** Always connect the dust extraction system to an all-purpose vacuum cleaner for a cleaner work environment and to reduce exposure to harmful dust.

## PRODUCT OVERVIEW

The Metabo LF 850 S Corded Paint Remover Tool is designed for efficient paint and varnish removal from various surfaces, particularly untreated wood, stairs, doors, and windows. This tool significantly reduces renovation time compared to conventional methods. Its robust construction, including a die-cast aluminum gear housing, ensures durability and optimal heat dissipation during extended use.



The Metabo LF 850 S Corded Paint Remover Tool, a powerful solution for renovation work.

## Key Features

- **Reversible Carbide Blades:** Designed for extended usage and efficiency.
- **Lock-On Switch:** For continuous operation and locking the cutter head in place.
- **Removable Extraction Nozzle and Connector:** Facilitates dust removal and maintains a cleaner work environment when connected to an all-purpose vacuum cleaner.
- **High Performance:** Torque of 18 in/lbs and RPM of 11,500 for effective material removal.
- **Adjustable Cutting:** Cutting edge cycle of 3-1/8 inches, lateral milling height of 1-1/8 inches, and unlimited notching depth. Axial routing depth from 0 to 0.012 inches, radial routing depth of 0.006 inches.
- **Additional Handle:** Provides enhanced grip and ergonomic comfort during operation.

- **Die Cast Aluminum Gear Housing:** Ensures optimum heat dissipation and long-term durability.
- **Safety Features:** Includes protective flaps to prevent accidental access to cutting blades and a locking button for securing the cutter head.

## PACKAGE CONTENTS

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Verify that all items are present upon unpacking your Metabo LF 850 S Paint Remover Tool:

- Metabo LF 850 S Paint Remover Tool (Model 601049620)
- metaBOX 145 (Storage Case)
- (4) Reversible Carbide Blades
- (1) Extraction Connector
- (1) Adjusting Wrench with Handle
- (1) Combination Wrench



The metaBOX 145 provides organized storage for the tool and its accessories.



The Metabo LF 850 S tool shown with its various components and accessories.

## SETUP

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### 1. Blade Installation and Adjustment

The Metabo LF 850 S uses reversible carbide blades. Ensure the tool is unplugged before handling blades.

1. Using the provided adjusting wrench, loosen the screws securing the blade holder.
2. Carefully insert or rotate the carbide blades to a fresh cutting edge. Ensure they are seated correctly.
3. Tighten the screws firmly to secure the blades.
4. Adjust the milling depth using the depth adjustment mechanism on the tool. Start with a shallow setting and increase as needed.



A user adjusting the reversible carbide blades on the Metabo LF 850 S tool.



The adjusting wrench being used to tighten the blade screws for secure operation.

## 2. Dust Extraction Connection

For a cleaner work environment and to minimize dust exposure, connect an all-purpose vacuum cleaner to the tool's extraction connector.

1. Attach the provided extraction connector to the dust port on the tool.
2. Connect the hose of your all-purpose vacuum cleaner to the extraction connector.
3. Ensure all connections are secure to prevent dust leakage.



The extraction connector ready for attachment to a vacuum cleaner hose.

## OPERATING INSTRUCTIONS

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Before operating, ensure all safety precautions are followed and the tool is properly set up.

1. **Power Connection:** Plug the tool into a suitable power outlet. Ensure the voltage matches the tool's requirements.

2. **Grip and Control:** Hold the tool firmly with both hands, utilizing the main handle and the additional handle for optimal control and ergonomics.
3. **Starting the Tool:** Press the power switch to turn on the tool. For continuous operation, engage the lock-on switch.
4. **Paint Removal Technique:**
  - Place the tool flat on the surface to be worked on.
  - Apply even, consistent pressure and move the tool smoothly across the surface.
  - For initial passes, use a shallow milling depth. Gradually increase the depth as needed to remove paint layers.
  - When working on edges or in tight areas, adjust the tool's angle carefully to avoid damaging the underlying material.
5. **Working with Notches:** The tool allows for unlimited notching depth. Carefully guide the tool along the desired notch line.
6. **Stopping the Tool:** Release the power switch. If the lock-on switch was engaged, disengage it first, then release the power switch.



A user demonstrating the Metabo LF 850 S in action on a flat wooden surface, effectively removing paint.



The tool being used to precisely remove paint from the edge of a wooden board.



Effective paint stripping on a broader wooden surface, showcasing the tool's capability.

## Official Product Videos

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This video demonstrates the ease of paint stripping with a similar tool, highlighting the efficiency of mechanical removal over traditional methods.

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Watch this video to see a paint shaver tool effectively stripping paint from cedar siding, illustrating its application on textured surfaces.

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This video shows a paint shaver tool removing paint from plaster, demonstrating its versatility across different material types.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Metabo LF 850 S.

1. **Cleaning:** After each use, unplug the tool and clean off any dust or debris from the housing, blades, and ventilation slots. Use a dry cloth or soft brush. Do not use solvents or abrasive cleaners.
2. **Blade Inspection and Rotation:** Regularly inspect the carbide blades for wear or damage. The blades are reversible; when one edge becomes dull, rotate them to use a fresh cutting edge. Replace all four blades simultaneously for balanced operation.
3. **Gear Housing:** The die-cast aluminum gear housing is designed for durability. Periodically check for any signs of damage or loose fasteners.

4. **Cord Inspection:** Inspect the power cord for any cuts, fraying, or damage. Replace damaged cords immediately to prevent electrical hazards.



A close-up view of the reversible carbide blades, highlighting their design for extended use.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your Metabo LF 850 S.

- **Tool Does Not Start:**

- Check if the power cord is securely plugged into a working outlet.
- Verify that the power switch is fully engaged.
- Inspect the power cord for damage.

- **Ineffective Paint Removal:**

- The carbide blades may be dull. Rotate them to a fresh cutting edge or replace them if all edges are worn.
- Adjust the milling depth to a deeper setting.

- Ensure you are applying consistent pressure and moving the tool at an appropriate speed.
- **Excessive Dust:**
  - Verify that the extraction connector is securely attached to the tool and the vacuum cleaner hose.
  - Check if the vacuum cleaner is operating correctly and its bag/canister is not full.
- **Unusual Noise or Vibration:**
  - Unplug the tool and inspect the blades for damage or improper installation. Ensure they are securely tightened.
  - If the issue persists, discontinue use and contact customer support.

## SPECIFICATIONS

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Specification	Value
Manufacturer	Koki Holdings America, Ltd
Part Number	601049620
Item Weight	5.5 pounds
Product Dimensions	13 x 7 x 3 inches
Item Model Number	601049620
Style	Metabo LF 850 S Paint Remover
Finish	Brushed
Material	Blend
Pattern	Solid
Shape	Rectangular
Power Source	AC
Item Package Quantity	1
Included Components	601049620, metaBOX 145, (4) blades, (1) extraction connector, (2) wrenches
Batteries Included?	No
Batteries Required?	No

## WARRANTY

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The Metabo LF 850 S Paint Remover Tool comes with a **3-year warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included in your product packaging or visit the official Metabo HPT website.

## SUPPORT

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For further assistance, technical support, or to inquire about replacement parts, please contact Metabo HPT customer service. You can find contact information on the official Metabo HPT website or through the

documentation provided with your tool.

**Online Resources:** Visit the [Metabo HPT Store on Amazon](#) for product information and updates.