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BLACK+DECKER CM2040

BLACK+DECKER CM2040 Lithium 3-in-1 Cordless Mower User Manual

Model: CM2040

1. INTRODUCTION

The BLACK+DECKER CM2040 40V Lithium 3-in-1 Cordless Mower is designed for efficient lawn care, offering mulching, bagging, and side discharge capabilities. It features a 20-inch cutting path and a 6-setting height adjustment for versatile use. Powered by two 2.5Ah - 40V MAX Lithium Batteries, it provides ample runtime for typical lawn sizes. The variable speed motor optimizes battery life, and the EdgeMax deck design allows for precise cutting along edges.



Figure 1: Overview of the BLACK+DECKER CM2040 Cordless Mower.

2. SAFETY INFORMATION

Always prioritize safety when operating the lawn mower. Read and understand all instructions before use. Failure to follow safety guidelines can result in serious injury.

- Wear appropriate personal protective equipment, including eye protection and sturdy footwear.
- Clear the mowing area of any debris, rocks, or objects that could be thrown by the blade.
- Keep children, pets, and bystanders away from the mowing area.
- Do not operate the mower in wet grass or adverse weather conditions.
- Ensure the battery is fully charged and properly inserted before starting.

- Never attempt to clear the discharge chute or remove the grass bag while the motor is running.
- Always disconnect the battery before performing any maintenance, cleaning, or when leaving the mower unattended.

3. SETUP AND ASSEMBLY

The BLACK+DECKER CM2040 mower requires minimal assembly. Follow these general steps:

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present.
2. **Handle Assembly:** Attach the upper handle to the lower handle, and then attach the complete handle assembly to the mower body. Ensure all locking mechanisms are secure.
3. **Grass Bag Assembly:** Assemble the 15-gallon nylon grass collection bag according to the instructions provided in the included manual.
4. **Battery Charging:** Fully charge both 2.5Ah - 40V MAX Lithium Batteries using the provided charger before first use. Insert one charged battery into the designated battery compartment on the mower. The mower has a storage compartment for the second battery.



Figure 2: User demonstrating grass bag attachment and operation.

4. OPERATING INSTRUCTIONS

Operating the CM2040 is straightforward. Ensure the area is clear and you are wearing appropriate safety gear.

- **Starting the Mower:** Insert a fully charged battery. Engage the safety bail handle and press the start button to activate the motor.
- **Height Adjustment:** Use the 6-setting height adjustment lever to select a cutting height between 1-1/2 inches and 4 inches. Adjust based on grass length and desired finish.
- **Mowing Modes:**
 - **Bagging:** Attach the 15-gallon nylon collection bag to collect grass clippings. Monitor the fill level.
 - **Mulching:** The mower is designed to finely cut and redistribute clippings back onto the lawn as mulch.
 - **Side Discharge:** Attach the side discharge chute (if included or purchased separately) to direct clippings away from the mower.
- **Mowing Technique:** For best results, mow in overlapping rows. The variable speed motor adjusts to grass conditions, conserving battery life in lighter cutting. The EdgeMax deck design allows for close cutting along obstacles.
- **Stopping the Mower:** Release the safety bail handle to stop the motor.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your mower.

- **Cleaning:** After each use, disconnect the battery and clean the underside of the deck and the grass bag to prevent buildup of clippings. Use a damp cloth; do not use water jets directly on electrical components.
- **Blade Care:** Periodically inspect the blade for sharpness and damage. A dull or damaged blade can affect cutting performance. Refer to the full user manual for blade removal and sharpening instructions.
- **Battery Care:** Store batteries in a cool, dry place. Charge batteries fully before storing for extended periods.
- **Storage:** Store the mower in a dry, protected area. The handle can be folded for compact storage.

6. TROUBLESHOOTING

If you encounter issues with your mower, try these common troubleshooting steps:

Problem	Possible Cause	Solution
Mower does not start	Battery not charged or improperly inserted; Safety bail not engaged; Start button not pressed.	Ensure battery is fully charged and correctly seated. Engage safety bail and press start button simultaneously.
Poor cutting performance	Dull or damaged blade; Grass too long or wet; Deck clogged with clippings.	Sharpen or replace blade. Avoid mowing excessively long or wet grass. Clean the underside of the deck.

Problem	Possible Cause	Solution
Excessive vibration	Bent or unbalanced blade; Loose components.	Inspect blade for damage and replace if necessary. Check all fasteners for tightness.

For more detailed troubleshooting, refer to the complete user manual.

7. SPECIFICATIONS

Brand:

BLACK+DECKER

Model Number:

CM2040

Power Source:

Battery Powered (40V Lithium)

Cutting Width:

20 Inches

Height Adjustment:

6-setting (1.5 Inches to 4 Inches)

Grass Collection Bag Capacity:

15 Gallons

Item Weight:

55 Pounds

Product Dimensions (LxWxH):

34.88 x 16.81 x 21.88 inches

Material:

Nylon (for bag)

UPC:

885911386760

8. WARRANTY AND SUPPORT

The BLACK+DECKER CM2040 Lithium 3-in-1 Cordless Mower is backed by a **2-year limited warranty**. For warranty claims, technical support, or to obtain replacement parts, please contact BLACK+DECKER customer service.

An official User Manual (PDF) is available for download: [Download User Manual \(PDF\)](#)

An Installation Manual (PDF) is also available: [Download Installation Manual \(PDF\)](#)

