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› Kobalt 80V Max 21-inch Cordless Electric Lawn Mower Instruction Manual

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Model: 80V Max 21-inch Cordless Electric Lawn Mower

1. PRODUCT OVERVIEW

The Kobalt 80V Max 21-inch Cordless Electric Lawn Mower is designed for efficient lawn care, offering the convenience of cordless operation with the power of an 80-volt lithium-ion battery system. This brushless motor mower provides extended run time and durability, suitable for yards up to 1 acre.



Image 1.1: Front view of the Kobalt 80V Max 21-inch Cordless Electric Lawn Mower. This image displays the mower's overall design, including the battery compartment cover and handle.

Key Features:

- **Powerful 80-volt MAX System:** Utilizes two 2.0 Ah batteries for maximum power and extended operation.
- **Brushless Motor:** Maximizes run time and extends motor life.
- **Push Button Start:** Eliminates the need for pull cords, offering easy and reliable starting.
- **21-inch Deck Width:** Provides efficient cutting coverage for various lawn sizes.
- **Mulching Capability:** Designed to finely cut grass clippings and return them to the lawn as natural fertilizer.
- **Easy Fold System:** Allows for vertical storage or compact transportation, saving space.
- **Quick Charger:** Included charger allows for rapid battery replenishment.

2. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this lawn mower. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

General Safety Warnings:

- **Operator Responsibility:** Always ensure the operator is familiar with the controls and proper use of the equipment.
- **Personal Protective Equipment:** Always wear eye protection (safety glasses or goggles) and appropriate footwear (closed-toe shoes with good traction) while operating the mower. Consider hearing protection.
- **Clear the Area:** Before mowing, clear the area of objects such as rocks, sticks, wires, bones, and other debris that could be thrown by the blade.
- **Keep Bystanders Away:** Do not allow children or bystanders near the mower during operation.
- **Avoid Wet Conditions:** Do not operate the mower in wet grass or rain. Wet grass can cause slipping and make the mower difficult to control.
- **Disconnect Power:** Always remove the battery pack before cleaning, servicing, or performing any maintenance on the mower. This prevents accidental starting.
- **Blade Safety:** Never place hands or feet near or under the rotating parts. The blade continues to rotate for a short period after the motor is switched off.
- **Slope Operation:** Exercise extreme caution when operating on slopes. Mow across the face of slopes, never up and down. Avoid mowing excessively steep slopes.
- **Battery Care:** Use only the specified battery packs and charger. Do not expose batteries to water or extreme temperatures.
- **Maintenance:** Regularly inspect the mower for damage. Replace worn or damaged parts immediately.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking. If any parts are missing or damaged, do not assemble or operate the mower. Contact customer support.

- Kobalt 80V Max 21-inch Cordless Electric Lawn Mower Unit
- 80V Max Lithium-Ion Battery (2 units)
- 80V Max Quick Charger
- Grass Collection Bag
- Mulching Plug (pre-installed or separate)
- Operator's Manual (this document)

4. SETUP

4.1 Unpacking and Handle Assembly

1. Carefully remove all components from the packaging.
2. Unfold the handle assembly. The easy fold system allows the handle to lock into the operating position. Ensure all locking mechanisms are securely engaged.
3. Adjust the handle height if applicable, securing it at a comfortable operating level.

4.2 Battery Charging and Installation

1. Insert the 80V Max Lithium-Ion battery into the quick charger. Ensure it clicks into place.
2. Plug the charger into a standard electrical outlet. The charger indicator light will show the charging status. Allow batteries to fully charge before first use.
3. Once charged, remove the battery from the charger.
4. Open the battery compartment cover on the mower.
5. Insert one or both charged batteries into the battery slots until they click securely into place. Close the battery compartment cover.

4.3 Cutting Height Adjustment

1. Ensure the mower is turned off and the battery is removed before adjusting the cutting height.
2. Locate the cutting height adjustment lever, typically near one of the wheels or centrally located.
3. Move the lever to select the desired cutting height. Refer to the markings on the mower for height settings.
4. Ensure all wheels are set to the same height for an even cut.

4.4 Mulching or Bagging Setup



Image 1.2: Side view of the Kobalt 80V Max 21-inch Cordless Electric Lawn Mower, showing the attached grass collection bag.

- **For Mulching:** Ensure the mulching plug is securely inserted into the rear discharge opening. The grass collection bag should not be attached.
- **For Bagging:** Lift the rear discharge door and remove the mulching plug if installed. Hook the grass collection bag onto the mower's rear discharge opening, ensuring it is securely attached. Lower the discharge door over the bag.

5. OPERATING INSTRUCTIONS

5.1 Pre-Operation Checks

- Ensure the battery compartment is closed and batteries are securely installed.
- Verify the cutting height is set correctly.
- Check that the grass collection bag or mulching plug is properly installed.
- Inspect the lawn for any debris that could be thrown by the blade.

5.2 Starting the Mower

1. Stand behind the mower, ensuring your feet are clear of the deck.
2. Press and hold the safety button (if present).
3. While holding the safety button, pull the bail lever (handle switch) towards the handle. The mower will start.
4. Release the safety button once the mower is running.

5.3 Mowing Techniques

- For best results, mow when the grass is dry.
- Overlap cutting swaths slightly to ensure an even cut.
- Avoid cutting more than one-third of the grass blade length at a time. If the grass is very tall, make two passes, raising the cutting height for the first pass.
- When using the self-propelled feature, adjust the speed to a comfortable walking pace.

5.4 Using the Self-Propelled Feature

To engage the self-propelled drive, squeeze the drive lever towards the handle. To disengage, release the drive lever.

Important Note on Maneuverability: When backing up or changing direction, release the self-propelled drive lever. If the rear wheels lock or drag, push the mower forward a few inches after releasing the drive lever. This will allow the wheels to turn freely when pulling backward or pivoting.

5.5 Stopping the Mower

To stop the mower, release the bail lever. The blade will stop rotating. For complete power disconnection, remove the battery pack.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your lawn mower. Always remove the battery pack before performing any maintenance or cleaning.

6.1 Cleaning the Mower

- After each use, clean the underside of the mower deck to prevent grass buildup, which can affect cutting performance. Use a stiff brush or scraper.
- Wipe down the exterior of the mower with a damp cloth. Do not use water jets or high-pressure washers directly on the mower.
- Ensure the battery compartment is clean and free of debris.

6.2 Blade Inspection and Care

- Regularly inspect the blade for sharpness, cracks, or damage. A dull blade tears grass, leading to an unhealthy lawn.
- If the blade is dull, it can be sharpened by a qualified service technician or replaced with a genuine Kobalt replacement

blade.

- If the blade is bent or damaged, replace it immediately. Operating with a damaged blade can be dangerous and cause vibration.

6.3 Battery Care and Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50% capacity.
- Do not store batteries in a discharged state.

6.4 Mower Storage

The easy fold system allows the handle to be folded down for compact storage. Store the mower in a dry, protected area, away from moisture and extreme temperatures. Remove batteries before long-term storage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your lawn mower. If you experience problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Mower does not start	Battery not charged or improperly installed Safety button/bail lever not engaged Battery too hot/cold	Ensure batteries are fully charged and securely inserted. Engage safety button and pull bail lever simultaneously. Allow battery to reach ambient temperature.
Poor cutting performance	Dull or damaged blade Cutting height too low for grass conditions Grass deck clogged with clippings	Inspect and replace/sharpen blade. Raise cutting height, especially for tall or dense grass. Clean the underside of the mower deck (with battery removed).
Reduced battery run time	Battery not fully charged Mowing very tall/dense grass Battery nearing end of life	Ensure batteries are fully charged before use. Raise cutting height or make multiple passes. Consider replacing batteries if they no longer hold a charge.
Excessive vibration	Bent or unbalanced blade Loose blade mounting hardware	Inspect blade for damage; replace if bent or cracked. Tighten blade mounting bolt (with battery removed).

8. SPECIFICATIONS

Feature	Specification
Brand	Kobalt
Model	80V Max 21-inch Cordless Electric Lawn Mower
Power Source	Battery Powered (80V Max Lithium-Ion)
Cutting Width	21 Inches

Feature	Specification
Motor Type	Brushless
Operation Mode	Automatic
Item Weight	60 Pounds
Batteries Required	2 Lithium Ion batteries (included)
UPC	841821016364
ASIN	B07B9KJZYC

9. WARRANTY AND SUPPORT

Kobalt stands behind its products with a comprehensive warranty. For specific terms and conditions, please refer to the warranty card included with your product or visit the official Kobalt website.

- **Lawn Mower Warranty:** Typically 5 years from the date of purchase.
- **Battery Warranty:** Typically 3 years from the date of purchase.

For technical assistance, replacement parts, or warranty claims, please contact Kobalt Customer Support. Have your model number and purchase date available when contacting support.

Online Support: Visit the official Kobalt website for FAQs, product registration, and service center locations.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question