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› Yard Force Electric YF40VRX21-SP 21" Cordless Lawn Mower – 40V Lithium-Ion Battery, 3-in-1 Self-Propelled, Adjustable Cutting Heights, Brushless Motor. 2X Batteries Included.

Yard Force YF40VRX21-SP

Yard Force YF40VRX21-SP 21" Cordless Lawn Mower User Manual

Model: YF40VRX21-SP | Brand: Yard Force

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and care of your Yard Force YF40VRX21-SP 21" Cordless Lawn Mower. Please read this manual thoroughly before initial use and keep it for future reference. This mower is designed for residential lawn care, offering powerful, cordless performance with its 40V Lithium-Ion battery and versatile 3-in-1 functionality.



Figure 1: The Yard Force YF40VRX21-SP 21" Cordless Lawn Mower.

SAFETY INFORMATION

Always prioritize safety when operating power equipment. Failure to follow safety instructions can result in serious injury or property damage.

- **Read the Manual:** Familiarize yourself with all controls and proper use before operation.
- **Personal Protective Equipment (PPE):** Always wear appropriate eye protection, hearing protection, long pants, and sturdy, non-slip footwear.
- **Clear the Area:** Before mowing, clear the area of any objects that could be thrown by the blade, such as rocks, sticks, or toys.
- **Keep Bystanders Away:** Ensure children, pets, and other people are kept a safe distance from the mowing area.
- **Slope Operation:** Exercise extreme caution when mowing on slopes. Mow across the face of slopes, never up and down. Avoid mowing excessively steep slopes.
- **Blade Safety:** Never place hands or feet near rotating parts. Disconnect the battery before performing any maintenance or clearing blockages.
- **Battery Safety:** Use only the specified battery and charger. Do not expose batteries to water or extreme temperatures.

SETUP

Assembly

The Yard Force YF40VRX21-SP is designed for quick and easy assembly. Typically, this involves attaching the handle and the grass collection bag. Refer to the diagrams included with your product for specific steps.

Battery Installation and Charging

Your lawn mower is powered by two 40V d.c. 5.0 Ah Li-ion batteries. Ensure both batteries are fully charged before first use.

1. **Charging:** Connect the battery charger to a standard power outlet. Insert the 40V Lithium-Ion batteries into the charger. The batteries typically recharge in approximately 80 minutes.
2. **Installation:** Once charged, slide the batteries securely into their designated compartments on the mower until they click into place.



Figure 2: A 40V Lithium-Ion battery for the mower.



Figure 3: The lawn mower shown with its included batteries and accessories.

OPERATING INSTRUCTIONS

Starting the Mower

Ensure batteries are installed. Engage the safety bail bar on the handle and press the start button to activate the brushless motor. The mower is designed for easy, reliable starting.

Adjusting Cutting Height

The mower features a convenient height adjustment lever, allowing you to select from seven different cutting heights. These range from 1.25 inches to 3.75 inches, providing flexibility for various grass types and desired lawn appearances.



Figure 4: Side view illustrating the cutting height adjustment mechanism.

Self-Propelled Function

The self-propelled design makes mowing effortless, especially on uneven terrain or slight inclines. Engage the self-propel control bar on the handle, and the mower will drive forward, reducing user fatigue. The 8-inch front wheels and 12-inch rear wheels provide excellent traction and maneuverability.

3-in-1 Functionality

This versatile lawn mower offers three mowing options to suit your lawn care needs:

- **Mulching:** Use the included mulching plug to finely cut grass clippings and return them to your lawn as natural fertilizer.
- **Side Discharge:** Attach the side discharge chute to direct clippings away from the mower.
- **Rear Bagging:** Collect clippings in the spacious 65L grass bag for easy disposal.



Figure 5: Rear view of the mower, showing the grass collection bag.

MAINTENANCE

General Care

- **Cleaning:** After each use, disconnect the battery and clean the mower deck and wheels to prevent grass buildup. A damp cloth is usually sufficient.
- **Inspection:** Regularly inspect the mower for any loose parts, damage, or wear.

Blade Care

The 21-inch cutting blade should be kept sharp for optimal performance. Periodically inspect the blade for sharpness and damage. If the blade is dull or damaged, it should be sharpened or replaced by a qualified service technician.

Storage

For compact storage, the ergonomic handle features quick-release knobs that allow it to be easily folded. Store the mower in a dry, protected area, away from direct sunlight and extreme temperatures. Remove batteries before long-term storage.



Figure 6: Top view of the mower, highlighting the handle and controls.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Mower does not start	Battery not charged or improperly installed; Safety bail bar not engaged.	Ensure batteries are fully charged and correctly seated. Engage the safety bail bar completely.
Mower loses power during operation	Low battery charge; Overloaded motor (e.g., cutting very thick or wet grass).	Recharge batteries. Reduce cutting load by raising cutting height or taking smaller passes.
Uneven cutting	Dull or damaged blade; Uneven wheel height adjustment.	Inspect and sharpen/replace blade. Ensure all wheels are set to the same cutting height.

Problem	Possible Cause	Solution
Excessive vibration	Damaged or unbalanced blade; Loose components.	Inspect blade for damage and balance. Check all fasteners for tightness. If vibration persists, seek professional service.

SPECIFICATIONS

- **Brand:** Yard Force
- **Model Number:** YF40VRX21-SP
- **Power Source:** Battery Powered (40V Lithium-Ion)
- **Cutting Width:** 21 Inches
- **Cutting Heights:** 7 positions (1.25" to 3.75")
- **Functionality:** 3-in-1 (Mulching, Side Discharge, Rear Bagging)
- **Motor:** High-efficiency brushless motor (up to 3000 RPM)
- **Battery Recharge Time:** Approximately 80 minutes
- **Front Wheels:** 8 Inches
- **Rear Wheels:** 12 Inches
- **Item Weight:** 65 Pounds
- **Product Dimensions:** 35"D x 17"W x 22"H
- **UPC:** 846325007450

WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please refer to the warranty card included with your product or visit the official Yard Force website. Keep your proof of purchase for warranty claims.

Online Resources: For additional support and resources, visit the [Yard Force Store on Amazon](#).

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