CUSHYBITE RY405100

User Manual

RYOBI 40V HP Brushless 14 in. Battery Chainsaw

Model: RY405100 | Brand: CUSHYBITE

Important Safety Information

WARNING: 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.

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear.
- Ensure the work area is clear of obstacles and well-lit. Keep bystanders, especially children, away while operating the chainsaw.
- Inspect the chainsaw before each use for loose parts, damage, or wear. Do not operate a damaged chainsaw.
- Never operate the chainsaw with one hand. Always use two hands to maintain control.
- Be aware of kickback. Avoid cutting with the tip of the guide bar.
- Remove the battery pack when not in use, before cleaning, or when performing maintenance.
- Do not expose the chainsaw to rain or wet conditions.
- Use only the specified battery pack and charger.

Package Contents

Verify that all items listed below are included in your package:

- RYOBI 40V HP Brushless 14 in. Battery Chainsaw
- 4.0 Ah Battery
- Battery Charger
- Instruction Manual (this document)



Figure 1: Included components of the RYOBI 40V HP Brushless 14 in. Battery Chainsaw kit. This image displays the brushless 14-inch chainsaw, a 4.0Ah battery, and the accompanying charger, illustrating all main items included in the product package.

Setup

1. Battery Charging

1. Connect the charger to a standard electrical outlet.
2. Slide the 4.0 Ah battery pack onto the charger until it clicks into place.
3. Allow the battery to charge fully. The charger indicator light will change when charging is complete.
4. Once charged, remove the battery from the charger.

2. Chainsaw Assembly (if required)

The chainsaw typically comes pre-assembled. If the bar and chain are separate, follow these steps:

1. Ensure the battery is removed.
2. Remove the chain cover.
3. Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
4. Fit the guide bar onto the chainsaw studs.
5. Replace the chain cover and tighten the nuts, leaving them slightly loose for chain tension adjustment.
6. Adjust chain tension using the tensioning screw until the chain is snug but can still be pulled freely around the bar.
7. Fully tighten the chain cover nuts.

3. Battery Installation

1. Align the charged 4.0 Ah battery pack with the battery port on the chainsaw.
2. Slide the battery pack into the port until it locks securely in place. Ensure it is fully seated to prevent accidental dislodgement during operation.



Figure 2: Overview of the RYOBI 40V HP Brushless 14 in. Battery Chainsaw with its battery and charger. This image provides a general view of the product, highlighting its compact design and the included power components.

Operating Instructions

1. Starting the Chainsaw

1. Ensure the battery is fully charged and securely installed.
2. Engage the chain brake by pushing the front hand guard forward.
3. Hold the chainsaw firmly with both hands.
4. To start, disengage the chain brake by pulling the front hand guard back towards the handle.
5. Press the trigger lockout button (if present) and then squeeze the trigger. The chain will begin to move.

2. Cutting Techniques

- **Felling:** For felling small trees, make a directional notch on the side of the fall, then make a felling cut from the opposite side, slightly above the notch.
- **Limbing:** Remove branches from a felled tree. Work from the base towards the top, cutting smaller branches first. Be aware of spring-back from tensioned branches.

- **Bucking:** Cutting a felled log into shorter sections. Support the log to prevent pinching the chain. Cut from the top down or bottom up depending on log support.
- Always maintain a firm grip and balanced stance. Let the chainsaw do the work; do not force it.

3. Stopping the Chainsaw

1. Release the trigger. The chain will stop.
2. Engage the chain brake by pushing the front hand guard forward.
3. For extended breaks or storage, remove the battery pack.



Figure 3: Side view of the RYOBI 40V HP Brushless 14 in. Battery Chainsaw. This perspective highlights the ergonomic handle and the overall design, demonstrating how the tool would be held during operation.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your chainsaw. Always remove the battery before performing any maintenance.

1. Chain Sharpening

- A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly or when cutting performance decreases.
- Refer to the chain manufacturer's instructions for the correct file size and sharpening angle.
- Alternatively, have the chain professionally sharpened.

2. Guide Bar Maintenance

- Clean the guide bar groove regularly to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.
- Check the guide bar for burrs or damage. File down any burrs.

3. Cleaning and Storage

- After each use, clean the chainsaw thoroughly, removing sawdust, sap, and debris from the motor housing, chain, and guide bar.

- Use a damp cloth and mild detergent if necessary. Do not use harsh chemicals or abrasive cleaners.
- Store the chainsaw in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures.
- Remove the battery pack before storing for extended periods.

Troubleshooting

This section addresses common issues you might encounter with your chainsaw.

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or not properly installed. Chain brake engaged.	Ensure battery is fully charged and securely seated. Disengage chain brake.
Chain does not move or moves slowly.	Chain tension too tight. Chain dull or damaged. Debris in chain/bar.	Adjust chain tension. Sharpen or replace chain. Clean guide bar groove.
Excessive vibration.	Loose chain. Damaged chain or guide bar.	Adjust chain tension. Inspect chain and guide bar for damage; replace if necessary.
Chainsaw cuts poorly or unevenly.	Dull chain. Incorrect chain tension.	Sharpen chain. Adjust chain tension.

Specifications

Attribute	Detail
Manufacturer	CUSHYBITE
Part Number	RY405100
Item Model Number	RY405100
Item Weight	13 pounds
Country of Origin	USA
Color	Green, Black
Material	Plastic
Power Source	Battery-powered
Voltage	40 Volts
Horsepower	40 Watts
Included Components	Product & Instructions Guide
ASIN	B0D7N1L28N
Date First Available	June 20, 2024

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact CUSHYBITE customer service. Keep your proof of purchase for warranty claims.
For replacement parts, please refer to the model number RY405100 and contact an authorized service center or the manufacturer.

© 2024 CUSHYBITE. All rights reserved.

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