

RYOBI RY40570

RYOBI 40V 10-inch Battery Powered Chainsaw

Model: RY40570

INTRODUCTION

Thank you for choosing the RYOBI 40V 10-inch Battery Powered Chainsaw. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before operating the chainsaw and keep it for future reference. Adhering to these instructions will ensure optimal performance and extend the life of your chainsaw.

Always prioritize safety. Wear appropriate personal protective equipment (PPE) and understand all safety warnings and instructions before use.

PACKAGE CONTENTS

Upon unpacking, ensure all items listed below are present and undamaged. If any parts are missing or damaged, do not attempt to assemble or operate the chainsaw. Contact customer service immediately.

- RYOBI 40V Chainsaw Power Head
- 10-inch Guide Bar
- Saw Chain
- 40V 2.0 AH Battery
- Battery Charger
- Bar Cover
- Operator's Manual

COMES BULK PACKAGED, NO RETAIL PACKAGING

Image illustrating that the bar and chain are removed for shipping and require assembly.



Image indicating that the product is bulk packaged without retail packaging.

SETUP

1. Battery Charging

Before first use, fully charge the 40V 2.0 AH battery using the provided charger. Connect the charger to a standard power outlet and insert the battery. The charger indicator lights will show the charging status. Refer to the charger's specific instructions for detailed information on charging times and indicators.

2. Guide Bar and Chain Assembly

Warning: Ensure the battery is removed from the chainsaw before performing any assembly or maintenance to prevent accidental starting.

1. Place the chainsaw on a firm, flat surface.
2. Remove the chain cover by loosening the two nuts on the side of the chainsaw.
3. Carefully uncoil the saw chain. Note the direction of the cutting teeth.
4. Fit the chain around the drive sprocket and then into the groove of the guide bar. Ensure the cutting teeth are facing the correct direction (away from the chainsaw body on the top edge of the bar).
5. Position the guide bar studs through the holes in the guide bar.
6. Replace the chain cover, ensuring the chain tensioner pin engages with the hole in the guide bar.
7. Hand-tighten the two nuts. Do not fully tighten yet.



Image showing the RYOBI 40V 10-inch Chainsaw with the guide bar and chain correctly installed.

3. Chain Tension Adjustment

Proper chain tension is crucial for safe and efficient operation. A loose chain can derail, and an overly tight chain can cause premature wear and damage.

1. While holding the tip of the guide bar up, turn the chain tensioning screw (typically located on the side of the chainsaw) clockwise to tighten the chain.
2. The chain is correctly tensioned when it is snug against the guide bar, but you can still pull it freely around the bar with gloved hands. There should be no sag on the underside of the bar.
3. Once tension is set, fully tighten the two nuts on the chain cover to secure the guide bar.
4. Recheck chain tension after tightening the nuts.

4. Adding Bar and Chain Oil

The chainsaw requires bar and chain oil for lubrication. This is essential to reduce friction, heat, and wear on the chain and guide bar.

1. Locate the oil reservoir cap, usually on the top or side of the chainsaw body.
2. Unscrew the cap and fill the reservoir with quality bar and chain oil. Do not use motor oil or other lubricants.
3. Replace the cap securely.
4. Periodically check the oil level during operation and refill as needed.

OPERATING INSTRUCTIONS

1. Safety Precautions Before Operation

- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, heavy-duty gloves, and sturdy footwear. Consider wearing a hard hat and leg protection (chaps).
- **Work Area:** Ensure the work area is clear of bystanders, pets, and obstacles. Maintain a stable footing.
- **Inspect Chainsaw:** Before each use, check the chain tension, oil level, and ensure all nuts and bolts are tight. Inspect the chain for sharpness and damage.
- **Battery:** Use only the specified RYOBI 40V battery and charger.

2. Starting the Chainsaw

1. Insert a fully charged 40V battery into the battery port until it clicks into place.
2. Grip the front handle with your left hand and the rear handle with your right hand.
3. Engage the chain brake by pushing the front hand guard forward (if applicable to your model).
4. Press and hold the safety lockout button (usually on the side of the rear handle).
5. While holding the lockout button, squeeze the trigger switch to start the chainsaw. Release the lockout button once the saw is running.
6. To stop the chainsaw, release the trigger switch.

**BAR AND
CHAIN
REMOVED FOR
SHIPPING,
ASSEMBLY
REQUIRED**

Image of the RYOBI 40V 10-inch Chainsaw, illustrating its general appearance and grip points.

3. Basic Cutting Techniques

Always maintain a firm grip with both hands. Keep the chainsaw close to your body for better control.

- **Felling Cuts:** For small trees, make a notch cut on the side of the tree in the direction of the desired fall, then make a felling cut from the opposite side, slightly above the notch.

- **Limbing:** Remove branches from a fallen tree. Work from the base of the tree towards the top, cutting smaller branches first. Be aware of spring-back from tensioned branches.
- **Bucking:** Cutting a fallen log into shorter sections. Support the log to prevent pinching the chain. Cut from the top down or bottom up depending on the log's support and tension.

Kickback Warning: Avoid contact of the guide bar tip with any object. This can cause kickback, where the chainsaw is violently thrown back towards the operator. Always be aware of the guide bar tip's position.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw. Always remove the battery before performing any maintenance.

1. Cleaning

- After each use, clean wood chips, sawdust, and debris from the chainsaw, especially around the chain, guide bar, and motor housing.
- Use a brush or compressed air. Do not use water to clean the electrical components.
- Wipe down the exterior with a damp cloth.

2. Chain Sharpening

A sharp chain is essential for efficient cutting and safety. A dull chain will produce fine sawdust instead of chips and require more force to cut.

- Sharpen the chain regularly using a round file of the correct diameter (refer to chain specifications) and a file guide.
- Maintain the correct filing angles for each cutter.
- Alternatively, have the chain professionally sharpened or replace it when it becomes too dull or damaged.

3. Guide Bar Maintenance

- **Flip the Bar:** To ensure even wear, periodically flip the guide bar over (top to bottom) when replacing or sharpening the chain.
- **Clean the Groove:** Use a bar groove cleaner to remove sawdust and debris from the guide bar groove.
- **Check for Burrs:** Remove any burrs from the guide bar rails with a flat file.

4. Storage

- Remove the battery from the chainsaw before storing.
- Clean the chainsaw thoroughly.
- Apply a light coat of oil to the guide bar and chain to prevent rust.
- Store the chainsaw with the bar cover in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures.

TROUBLESHOOTING

Before attempting any repairs, ensure the battery is removed from the chainsaw.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Chainsaw does not start	Battery not charged or improperly inserted; Safety lockout not engaged; Trigger not pressed.	Charge battery; Reinsert battery correctly; Ensure safety lockout is pressed before trigger.
Chain does not move	Chain brake engaged; Chain too tight; Obstruction in chain path.	Disengage chain brake; Adjust chain tension; Remove obstruction (with battery removed).
Poor cutting performance	Dull chain; Incorrect chain tension; Insufficient bar and chain oil.	Sharpen or replace chain; Adjust chain tension; Refill oil reservoir.
Excessive smoke or heat	Lack of bar and chain oil; Dull chain; Overloading the motor.	Refill oil reservoir; Sharpen or replace chain; Reduce cutting pressure, allow motor to cool.

SPECIFICATIONS

Feature	Specification
Brand	RYOBI
Model Number	RY40570
Power Source	Battery Powered (40V)
Horsepower	550 Watts
Item Weight	8.9 Pounds
Chain Length	10 Inches
Chain Speed	5.3 mps
UPC	046396036490

WARRANTY INFORMATION

This RYOBI 40V 10-inch Battery Powered Chainsaw is covered by the manufacturer's limited warranty. Please refer to the warranty card included with your product or visit the official RYOBI website for detailed terms and conditions, including warranty period and coverage specifics. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, replacement parts, or any questions not covered in this manual, please contact RYOBI customer service. Contact information can typically be found on the product packaging, the official RYOBI website, or your purchase documentation.

Online Resources: Visit the official RYOBI website for additional product information, FAQs, and instructional videos.

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