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› [RYOBI 14-Inch 40-Volt Brushless Chainsaw Instruction Manual \(Model: RY40502A\)](#)

RYOBI RY40502A

RYOBI 14-Inch 40-Volt Brushless Chainsaw Instruction Manual (Model: RY40502A)

Your guide to safe and efficient operation.

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INTRODUCTION

Thank you for choosing the RYOBI 14-Inch 40-Volt Brushless Chainsaw. This manual provides essential information for the safe assembly, operation, and maintenance of your new tool. Please read it thoroughly before use and keep it for future reference.



Figure 1: RYOBI 14-Inch 40-Volt Brushless Chainsaw. This image displays the complete chainsaw unit, highlighting its ergonomic design and 14-inch bar.

GENERAL SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and

sturdy footwear when operating the chainsaw. Ensure the work area is clear of bystanders and obstacles. Never operate the chainsaw under the influence of drugs or alcohol. Familiarize yourself with all safety features and controls before starting the unit.

SETUP

1. Unpacking

Carefully remove all components from the packaging. Inspect the chainsaw for any signs of damage. Ensure all parts listed in the packing list are present.

2. Battery Installation and Charging

This chainsaw operates on a RYOBI 40V lithium-ion battery (not included). Ensure the battery is fully charged before first use. Refer to your battery and charger manual for specific charging instructions.

- Insert the charged battery into the battery compartment until it clicks securely into place.
- To remove, press the battery release button and slide the battery out.



Figure 2: Side view of the chainsaw, showing the battery compartment. The battery slides into the designated slot at the rear of the unit.

3. Filling the Automatic Oiler

The chainsaw features an automatic oiler for continuous chain lubrication. Use only recommended bar and chain oil.

1. Locate the oil cap on the top of the chainsaw.
2. Unscrew the oil cap and fill the reservoir with bar and chain oil.
3. Replace the oil cap securely.
4. Periodically check the oil level during operation and refill as needed.

OPERATING INSTRUCTIONS

1. Starting the Chainsaw

- Ensure the chain brake is disengaged (pulled back towards the front handle).
- Grip the front handle with your left hand and the rear handle with your right hand.
- Press the trigger lockout button with your thumb, then squeeze the trigger to start the chain.

2. Cutting Techniques

Always maintain a firm grip with both hands. Position yourself securely and ensure the chain does not contact the ground or other obstacles. Use the wrap-around handle for comfortable cutting and user control in various positions.



Figure 3: The RYOBI chainsaw effectively cutting through a log. This demonstrates the tool's capability for various cutting tasks.

- **Limbing:** Remove smaller branches from a fallen tree. Work from the bottom up, supporting the branch to prevent pinching.
- **Bucking:** Cut a fallen log into smaller sections. Be aware of potential kickback and pinching.
- **Felling:** For felling trees, consult professional guidance or extensive training. This chainsaw is primarily designed for limbing and bucking.

3. Stopping the Chainsaw

Release the trigger to stop the chain. Engage the chain brake by pushing it forward towards the bar.

MAINTENANCE

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

- Chain Sharpening:** A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly or replace it when dull.
- Chain Tension:** Check chain tension frequently. The chain should be snug against the guide bar but still able to be pulled freely by hand.
- Bar Lubrication:** The automatic oiler provides continuous lubrication. Ensure the oil reservoir is always filled with appropriate bar and chain oil.
- Cleaning:** After each use, clean sawdust and debris from the chainsaw, especially around the chain, guide bar, and motor housing.
- Storage:** Store the chainsaw in a dry, secure location out of reach of children. Remove the battery before storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not inserted correctly or discharged. Chain brake engaged.	Ensure battery is fully charged and properly seated. Disengage chain brake.
Chain does not move.	Chain brake engaged. Chain tension too tight. Obstruction.	Disengage chain brake. Adjust chain tension. Clear any obstructions.
Poor cutting performance.	Dull chain. Incorrect chain tension. Low oil level.	Sharpen or replace chain. Adjust chain tension. Refill bar and chain oil.
Oil leaking from chainsaw.	Normal during storage (minor leakage). Oil cap not sealed.	Store chainsaw upright. Ensure oil cap is tightly sealed.

SPECIFICATIONS

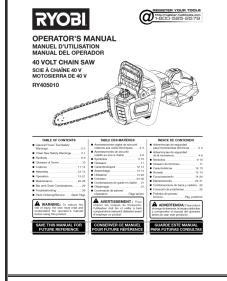
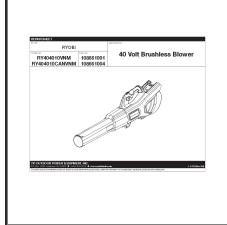
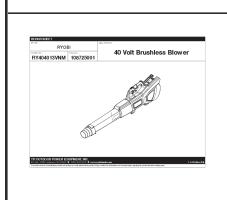
- Model Number:** RY40502A
- Bar Length:** 14 inches
- Power Source:** 40-Volt Lithium-Ion Battery (not included)
- Motor Type:** Brushless
- Oiling System:** Automatic
- Weight:** 8.4 pounds (without battery)
- Product Dimensions:** 27.56 x 11.81 x 8.66 inches
- UPC:** 046396008800

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official RYOBI website or contact customer service. Keep your purchase receipt and model number handy for all inquiries.

RYOBI offers various protection plans for extended coverage. Details can be found on the product's purchase page or by contacting RYOBI customer service.

Related Documents - RY40502A

	<p>Ryobi RY40505 16-inch 40V Brushless Chainsaw Operator's Manual Operator's manual for the Ryobi RY40505 16-inch 40V Brushless Chainsaw, providing safety instructions, operation guides, maintenance procedures, and troubleshooting tips.</p>
	<p>RYOBI RY402011 40V Brushless Grass Trimmer Operator's Manual Comprehensive operator's manual for the RYOBI RY402011 40V Brushless Grass Trimmer, covering safety, assembly, operation, maintenance, and troubleshooting. Learn how to safely and effectively use your RYOBI grass trimmer.</p>
	<p>RYOBI RY405010 40V Chain Saw Operator's Manual - Safety, Operation, and Maintenance Guide Official operator's manual for the RYOBI RY405010 40V Chain Saw. Contains critical safety warnings, detailed operating procedures, maintenance guidelines, troubleshooting tips, and product specifications. Essential reading for safe and effective use of your RYOBI chainsaw.</p>
	<p>Ryobi 40V Brushless Blower Repair Sheet and Parts List This document provides a repair sheet and parts list for the Ryobi 40V Brushless Blower, models RY404010VNM and RY404010CANVNM. It includes model numbers, manufacturing numbers, a description of the product, a detailed parts list with key numbers, part numbers, descriptions, and quantities, and a wiring diagram.</p>
	<p>Ryobi Outdoor Power Equipment Repair Sheets and Parts Lists Comprehensive repair sheets and detailed parts lists for Ryobi 40V Lawn Mower (RY40HPLM02), EXPAND-IT Trimmer Accessory (A54ST02), and 40V Brushless Power Head (RY40HPPH01), including diagrams and part numbers.</p>
	<p>RYOBI RY404013VNM 40 Volt Brushless Blower - Repair Sheet and Parts List Official repair sheet and parts list for the RYOBI RY404013VNM 40 Volt Brushless Blower, including component identification and wiring diagram.</p>