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RYOBI RCS1935B

RYOBI RCS1935B 1900W 35cm Electric Chainsaw User Manual

Model: RCS1935B | Brand: RYOBI

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your RYOBI RCS1935B 1900W 35cm Electric Chainsaw. Please read this manual thoroughly before using the product and keep it for future reference.

1.1 Safety Information

Always prioritize safety when operating power tools. Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear. Ensure the work area is clear of bystanders and obstacles. Disconnect the power supply before performing any maintenance or adjustments.

2. PRODUCT OVERVIEW

The RYOBI RCS1935B is a powerful 1900W electric chainsaw designed for pruning, cutting firewood, and general domestic and occasional use. It features a 35cm guide bar and a robust chain for efficient cutting.

2.1 Key Components

- **Motor Housing:** Contains the 1900W electric motor.
- **Guide Bar:** The metal bar that supports and guides the saw chain. Length: 35 cm.
- **Saw Chain:** The cutting component, with 52 links.
- **Front Handle:** For stable two-hand operation.
- **Rear Handle with Safety Switch and Trigger:** Ensures the chainsaw only operates when both are engaged.
- **Chain Brake/Hand Guard:** Protects the operator's hand and stops the chain in emergencies.

- **Oil Tank with Visible Level Indicator:** For automatic chain lubrication. Capacity: 150 ml.
- **Tool-less Chain Tensioner:** For easy chain adjustment.
- **Metal Bumper Spike (Claw):** Provides a pivot point for stable cutting.



Figure 1: Main view of the RYOBI RCS1935B Electric Chainsaw, highlighting its overall design and components.



Figure 2: Side view of the chainsaw, showing the motor housing and handle configuration.

3. SETUP AND ASSEMBLY

Before first use, ensure all components are present and correctly assembled. Refer to the included parts list for verification.

3.1 Installing the Guide Bar and Chain

1. Ensure the chainsaw is unplugged from the power source.
2. Remove the chain cover by loosening the retention knob.
3. Place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
4. Position the guide bar onto the mounting studs, aligning the chain tensioner pin with the hole in the guide bar.

5. Replace the chain cover and lightly tighten the retention knob.

3.2 Adjusting Chain Tension

The tool-less chain tensioner allows for easy adjustment. Proper chain tension is crucial for safe and efficient operation.

1. With the chain cover retention knob slightly loose, turn the chain tensioning ring (usually located on the side of the chainsaw) clockwise to increase tension or counter-clockwise to decrease tension.
2. The chain should be snug against the guide bar, but still able to be pulled freely by hand. There should be no slack on the underside of the guide bar.
3. Once tension is correct, fully tighten the chain cover retention knob.

3.3 Filling the Oil Tank

The chainsaw features an automatic oil pump for chain lubrication. Use only recommended chain oil.

1. Ensure the chainsaw is unplugged and placed on a flat, stable surface.
2. Unscrew the oil tank cap. The design allows for easy access without tilting the machine.
3. Carefully pour chain oil into the tank, monitoring the visible oil level indicator.
4. Do not overfill. Replace the oil tank cap securely.



Figure 3: Rear view of the chainsaw, illustrating the location of the oil tank cap for refilling.

4. OPERATING INSTRUCTIONS

Always follow safety guidelines and wear appropriate PPE before operating the chainsaw.

4.1 Starting the Chainsaw

1. Connect the chainsaw to a suitable power outlet.
2. Ensure the chain brake is disengaged (pulled back towards the front handle).
3. Grip the front handle with one hand and the rear handle with the other.
4. Press the safety switch on the rear handle, then squeeze the trigger to start the motor. The chainsaw will only operate when both are pressed.
5. Release the trigger to stop the chainsaw.

4.2 Cutting Techniques

Use proper cutting techniques to ensure safety and efficiency.

- **Felling:** For felling small trees, make a directional notch on the side of the fall, then a felling cut from the opposite side.
- **Limbing:** Remove branches from a felled tree. Work from the base towards the top, supporting the branch to prevent pinching.
- **Bucking:** Cut a felled tree into sections. Use the metal bumper spike as a pivot point for leverage and control.
- Always maintain a firm grip with both hands and keep your body balanced.
- Avoid cutting with the tip of the guide bar to prevent kickback.



Figure 4: An operator demonstrating safe use of the chainsaw for cutting wood, wearing appropriate safety gear.



Figure 5: The chainsaw in action, cutting a log supported by a sawhorse, illustrating a common application.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw.

5.1 Cleaning

- Always disconnect the power before cleaning.
- Remove sawdust and debris from the motor housing, guide bar, and chain.
- Clean the oil tank and filter periodically.

5.2 Chain Sharpening

A sharp chain is essential for efficient cutting and to prevent kickback. Sharpen the chain regularly or replace it when dull.

- Refer to the chain manufacturer's instructions for proper sharpening angles and file sizes.
- Ensure all cutters are sharpened evenly.

5.3 Guide Bar Maintenance

- Clean the guide bar groove to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.

5.4 Storage

- Clean the chainsaw thoroughly before storing.
- Drain the oil tank if storing for an extended period.
- Store the chainsaw in a dry, secure location, out of reach of children.
- Always use the guide bar protector when storing or transporting the chainsaw.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Chainsaw does not start	Not plugged in Safety switch/trigger not engaged Chain brake engaged	Check power connection Ensure both safety switch and trigger are pressed Disengage chain brake
Chain does not move	Chain brake engaged Chain too tight Obstruction	Disengage chain brake Adjust chain tension Clear obstruction (with power disconnected)
Poor cutting performance	Dull chain Incorrect chain tension Insufficient oil lubrication	Sharpen or replace chain Adjust chain tension Refill oil tank, check for oil flow
Oil leakage	Loose oil cap Damaged oil tank/seal	Tighten oil cap Contact customer support for repair

7. SPECIFICATIONS

Model	RCS1935B
Power Input	1900 W
Guide Bar Length	35 cm (14 inches)
Chain Pitch - Gauge	3/8" - 1.3 mm
Chain Speed	15 m/s
Number of Chain Links	52
Oil Tank Capacity	150 ml
Weight	4.7 kg
Included Accessories	1 Guide Bar Protector, 1 x 35 cm Chain (52 links), Flange Protection, Lubricant
Manufacturer Model Number	5133004338
GTIN (UPC)	04892210170545

8. WARRANTY AND SUPPORT

RYOBI offers a comprehensive warranty for your product.

8.1 Warranty Information

All RYOBI tools and batteries come with a standard **24-month warranty**. This warranty can be extended by an additional **1 year** if the consumer registers the product within 30 days of purchase. To claim the extended warranty, retain your registration confirmation and the original invoice with the purchase date. For detailed warranty terms and conditions, please refer to the official RYOBI website or contact customer support.

8.2 Customer Support

For technical assistance, spare parts, or warranty claims, please contact RYOBI customer support through their official website or authorized service centers. Always provide your product model number (RCS1935B) and serial number (if applicable) when seeking support.

You can visit the RYOBI store on Amazon for more information: [RYOBI Store](#)