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## RYOBI RCS3835T

# Ryobi RCS3835T Petrol Chainsaw User Manual

Model: RCS3835T | Brand: RYOBI

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Ryobi RCS3835T Petrol Chainsaw. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.



Figure 1: Overview of the Ryobi RCS3835T Petrol Chainsaw. This image displays the complete chainsaw unit, highlighting its main components including the engine housing, handle, guide bar, and chain.

## SAFETY INFORMATION

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Always prioritize safety when operating power tools. Familiarize yourself with all safety decals on the chainsaw and follow these general guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and sturdy footwear.
- Ensure the work area is clear of obstacles and bystanders.
- Do not operate the chainsaw when fatigued or under the influence of alcohol or medication.
- Regularly inspect the chainsaw for damage or loose parts before each use.
- The quick chain brake provides optimal safety during sawing operations. Always engage the chain brake when not actively cutting.

## SETUP AND ASSEMBLY

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Before first use, the guide bar and chain must be properly installed and tensioned. The Ryobi RCS3835T features tool-free access for maintenance and a tool-free chain tensioner for convenience.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all items listed in the "Contents of the package" section are present.

- Petrol Chainsaw RCS3835T
- Chain oil
- 2-stroke engine oil
- Assembly tool

## 2. **Guide Bar and Chain Installation:**

Refer to the diagram for correct orientation. Place the chain around the guide bar, ensuring the cutting edges face the correct direction. Mount the guide bar and chain onto the chainsaw body.



Figure 2: Adjusting the chain tension. This image shows a person using a tool to adjust the chain tension on the chainsaw, demonstrating the process of ensuring proper chain tightness for safe operation.

### 3. Chain Tensioning:

The chainsaw features a tool-free chain tensioner. Rotate the tensioning dial until the chain is snug against the guide bar, but can still be pulled freely by hand. A properly tensioned chain should not sag from the guide bar.



Figure 3: Utilizing the tool-free chain tensioning mechanism. This image provides a close-up view of the chainsaw's tool-free chain tensioning system, showing how to easily adjust the chain without additional tools.

### 4. Fueling:

Fill the fuel tank (0.3 L capacity) with the correct petrol/oil mixture as specified by the engine oil manufacturer. Use a funnel to prevent spills. Ensure the fuel cap is securely tightened.

### 5. Oiling:

Fill the chain oil tank (0.21 L capacity) with appropriate chain lubricant. The chainsaw features automatic chain lubrication. Ensure the oil cap is securely tightened.

## OPERATING INSTRUCTIONS

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The Ryobi RCS3835T is equipped with a powerful 37.2 cm<sup>3</sup> PoWR XT™ 2-stroke engine (1.54 kW / 2.1 hp) and a 2-level carburetor for easy starting.

#### 1. Starting the Engine:

Follow the starting procedure outlined in the quick start guide. Typically, this involves setting the choke, priming the carburetor (if applicable, "4 pumps" mentioned in a review), and pulling the starter cord firmly. The 2-level carburetor facilitates easy starting.

#### 2. Chain Lubrication Check:

Before each cut, ensure the automatic chain lubrication system is working by holding the chainsaw over a light-colored surface and revving the engine. A line of oil should appear on the surface.

#### 3. Cutting Techniques:

Always maintain a firm grip with both hands. Position yourself securely. Begin cutting with the lower part of the guide bar to avoid kickback. Allow the chainsaw to do the work; do not force it through the wood.



Figure 4: User operating the chainsaw. This image shows a person wearing safety gear, including a helmet with a face shield, operating the Ryobi chainsaw to cut a large log, demonstrating proper cutting posture.



Figure 5: User cutting wood with the chainsaw on a sawhorse. This image depicts a user safely cutting a log supported by a sawhorse, highlighting the chainsaw's use in a controlled environment.

#### 4. Stopping the Chainsaw:

Release the throttle trigger and engage the chain brake. For complete shutdown, turn the engine switch to the "OFF"

position.

## MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your chainsaw. The RCS3835T offers tool-free access for routine checks.

- **Chain Tension:** Check chain tension frequently, especially during initial use and after prolonged operation. Adjust using the tool-free tensioner as needed.
- **Chain Sharpening:** A sharp chain is crucial for efficient and safe cutting. Sharpen the chain regularly or replace it when dull.
- **Cleaning:** After each use, clean sawdust and debris from the guide bar groove, chain, and engine cooling fins.
- **Air Filter:** Periodically inspect and clean the air filter to ensure proper engine performance.
- **Spark Plug:** Check the spark plug for wear and proper gap. Replace if necessary.
- **Fuel and Oil Storage:** When storing the chainsaw for extended periods, drain the fuel tank or use a fuel stabilizer. Store chain oil in a cool, dry place.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your Ryobi RCS3835T chainsaw.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect starting procedure, fouled spark plug, clogged fuel filter.	Check fuel level, re-read starting instructions, clean/replace spark plug, inspect/replace fuel filter.
Chain does not cut efficiently	Dull chain, incorrect chain tension, chain installed backward.	Sharpen or replace chain, adjust chain tension, ensure chain is installed correctly.
Chain comes off guide bar	Improper chain tension, worn guide bar, damaged chain.	Adjust chain tension, inspect guide bar for wear, replace damaged chain.
Excessive smoke from exhaust	Incorrect fuel/oil mixture, clogged air filter.	Ensure correct fuel/oil ratio, clean air filter.

## SPECIFICATIONS

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Detailed technical specifications for the Ryobi RCS3835T Petrol Chainsaw:

**Model:** RCS3835T

**Engine Displacement:** 37.2 cm<sup>3</sup>

**Engine Power:** 1.54 kW / 2.1 hp

**Guide Bar Length:** 35 cm (14 inches)

**Chain Speed:** 22.2 m/s

**Oil Tank Capacity:** 0.21 L

**Fuel Tank Capacity:** 0.3 L

**Weight:** 4.6 kg

**Sound Power Level (Lwa):** 108.9 dB

**Vibration Level (Auxiliary Handle):** 4.0 m/s<sup>2</sup>

**Vibration Level (Main Handle):** 5.5 m/s<sup>2</sup>

**Dimensions (L x W x H):** 47 x 29.5 x 26.2 cm

**Manufacturer Reference:** 5133002386

**International Article Code (EAN):** 04892210132710

## **WARRANTY AND SUPPORT**

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Ryobi is committed to providing high-quality power tools. For warranty information, service, or technical support, please refer to the warranty card included with your product or visit the official Ryobi website. Keep your purchase receipt as proof of purchase.

Ryobi is part of Techtronic Industries, a leading global manufacturer of power tools, known for continuous product development and ergonomic design.