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> [Craftsman V20 Mini Chainsaw CMCCS610D1 and STP Bar & Chain Oil User Manual](#)

Craftsman CMCCS610D1

Craftsman V20 Mini Chainsaw CMCCS610D1 and STP Bar & Chain Oil User Manual

Model: CMCCS610D1

1. INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your Craftsman V20 Mini Chainsaw (CMCCS610D1) and the accompanying STP Premium Bar & Chain Oil. Please read this manual thoroughly before using the product to ensure proper function and safety.



The Craftsman V20 Mini Chainsaw, featuring a red and black design with a 10-inch bar and chain.

2. SAFETY INFORMATION

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

General Safety Rules:

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and sturdy footwear.
- Ensure the work area is clear of bystanders, children, and pets.
- Inspect the chainsaw before each use for any damage, loose parts, or leaks.
- Do not operate the chainsaw in wet conditions or in the presence of flammable liquids or gases.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and how to avoid it.
- Never overreach or cut above shoulder height.
- Disconnect the battery before performing any maintenance, cleaning, or when the tool is not in use.

3. PACKAGE CONTENTS

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

- CMCCS610 Chainsaw
- CMCB202 V20 2.0 Ah Lithium Ion Battery
- CMBII04 V20 Lithium Ion Charger
- Bar Cover
- Wrench
- STP Premium Bar & Chain Oil (32 oz)

PACKAGE INCLUDES:

- (1) CMCCS610 CHAINSAW
- (1) CMCB202 V20* 2.0 AH LITHIUM ION BATTERY
- (1) CMCBII04 V20* LITHIUM ION CHARGER
- (1) BAR COVER
- (1) WRENCH



* 20V MAX BATTERY, MAXIMUM INITIAL BATTERY VOLTAGE (MEASURED WITHOUT A WORKLOAD) IS 20 VOLTS. NOMINAL VOLTAGE IS 18.

Image showing the contents of the package: CMCCS610 Chainsaw, CMCB202 V20 2.0 Ah Lithium Ion Battery, CMCBII04 V20 Lithium Ion Charger, Bar Cover, and Wrench.

4. ASSEMBLY AND SETUP

4.1. Battery Charging and Installation

1. Insert the V20 Lithium Ion Battery into the V20 Lithium Ion Charger.
2. Plug the charger into a standard electrical outlet. The indicator light on the charger will show the charging status.
3. Once fully charged, remove the battery from the charger.
4. Align the charged battery with the battery port on the chainsaw handle and slide it in until it clicks securely into place.

4.2. Bar and Chain Installation (if not pre-assembled)

1. Ensure the battery is removed from the chainsaw.
2. Remove the side cover using the provided wrench.
3. Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
4. Position the guide bar onto the chainsaw studs.
5. Replace the side cover and hand-tighten the nuts. Do not fully tighten yet.

4.3. Filling Bar and Chain Oil

The chainsaw features an auto-oiling system that requires bar and chain oil for continuous lubrication.

1. Ensure the chainsaw is on a level surface and the battery is removed.
2. Locate the oil reservoir cap, typically on the top or side of the chainsaw body.
3. Unscrew the cap and carefully pour STP Premium Bar & Chain Oil into the reservoir until it reaches the fill line.
4. Replace the cap securely.





A 32 oz bottle of STP Premium Bar & Chain Oil, formulated with anti-wear technology to reduce bar and chain wear.

5. OPERATION

5.1. Starting the Chainsaw

1. Ensure the battery is fully charged and securely installed.
2. Hold the chainsaw firmly with both hands.
3. Engage the safety lock-off button (if present) and then depress the trigger switch to start the motor.

5.2. Cutting Techniques

- Always stand in a balanced position.
- Allow the chain to reach full speed before contacting the material.
- Use the bottom of the guide bar for cutting, pushing the chainsaw into the wood.
- Be mindful of pinching and kickback.
- For larger branches, make an undercut first to prevent splintering.

5.3. Battery Usage

The V20 2.0Ah battery provides power for various tasks. Battery life will vary depending on the cutting load and material. Recharge the battery when power diminishes.

6. MAINTENANCE

6.1. Chain Tensioning

The chainsaw features Bolt Lock Chain Tensioning for reliable bar clamping. Proper chain tension is crucial for safe and efficient operation.

1. Remove the battery.
2. Loosen the side cover nuts slightly with the wrench.
3. Adjust the chain tensioning screw until the chain is snug against the guide bar but can still be pulled freely by hand. There should be no slack on the underside of the bar.
4. Retighten the side cover nuts securely.

6.2. Bar and Chain Lubrication

The auto-oiling feature ensures continuous lubrication. Regularly check the oil level in the reservoir and refill with STP Premium Bar & Chain Oil as needed. This oil is formulated with anti-wear additives to reduce bar and chain wear and a tackifier to help reduce high-speed oil throw-off, minimizing resin buildup for smoother cuts.

BOLT LOCK CHAIN TENSIONING

FOR RELIABLE BAR CLAMPING

AUTO OILING

FOR CONTINUOUS LUBRICATION



10" LONG BAR & CHAIN

FOR CUTS UP TO 8" DIAMETER



VERSATRACK
COMPATIBLE

† HANG HOOK IS AN INTEGRATED PART OF THE TOOL, READY FOR USE RIGHT OUT OF THE BOX. SEE CRAFTSMAN.COM FOR DETAILS.



* 20V MAX BATTERY, MAXIMUM INITIAL BATTERY VOLTAGE (MEASURED WITHOUT A WORKLOAD) IS 20 VOLTS. NOMINAL VOLTAGE IS 18.

Detailed view of the Craftsman V20 Mini Chainsaw highlighting its features: Bolt Lock Chain Tensioning for reliable bar clamping, Auto Oiling for continuous lubrication, a 10-inch long bar and chain for cuts up to 8 inches in diameter, and an integrated Versatrack compatible hang hook.



Reduce Bar & Chain Wear



A chainsaw bar and chain resting on a log, with the STP Premium Bar & Chain Oil bottle in the background, illustrating its benefit in reducing bar and chain wear.

6.3. Cleaning

- After each use, remove the battery and clean the chainsaw.
- Use a brush or compressed air to remove sawdust and debris from the motor housing, chain, and guide bar.
- Wipe down exterior surfaces with a damp cloth.

7. TROUBLESHOOTING

Chainsaw Does Not Start:

- Ensure the battery is fully charged and properly inserted.
- Check if the safety lock-off button is fully engaged before pressing the trigger.

Chain Not Moving:

- Verify chain tension is not too tight.
- Check for any obstructions in the chain or guide bar.

Poor Cutting Performance:

- Check chain sharpness; sharpen or replace if dull.
- Ensure adequate bar and chain oil is present in the reservoir.
- Verify correct chain tension.

8. SPECIFICATIONS

- **Model:** CMCCS610D1
- **Power Source:** V20 Lithium Ion Battery
- **Bar Length:** 10 inches
- **Max Cut Diameter:** Up to 8 inches
- **Oiling System:** Automatic
- **Battery:** V20 2.0Ah Lithium Ion
- **Charger:** V20 Lithium Ion Charger

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Craftsman website. For technical support or replacement parts, contact Craftsman customer service. The integrated VERSATRACK™ hook allows for convenient storage with the VERSATRACK™ system (sold separately). For more details on VERSATRACK™ compatibility, refer to craftsman.com.