

McCULLOCH CS 42STE

McCulloch CS 42STE Petrol Chainsaw User Manual

Model: CS 42STE | Item No. 00096-73.208.02

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your McCulloch CS 42STE Petrol Chainsaw. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.

The McCulloch CS 42STE is a powerful and robust petrol chainsaw designed for demanding sawing tasks. It features a 1500 W OxyPower engine, a 41 cm blade length, and incorporates technologies for easy starting and user comfort.

2. SAFETY INFORMATION

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize safety to prevent serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including a safety helmet, eye protection, hearing protection, heavy-duty gloves, safety trousers (cut-resistant), and safety boots.
- **Work Area:** Ensure the work area is clear of bystanders, children, and pets. Maintain a stable footing and be aware of your surroundings.
- **Fuel Handling:** Handle fuel in a well-ventilated area, away from open flames or sparks. Do not smoke while refueling.
- **Inspection:** Before each use, inspect the chainsaw for any damaged parts, loose components, or fuel leaks. Ensure the chain brake is functional.
- **Kickback Prevention:** Be aware of kickback risks. Avoid cutting with the tip of the guide bar. Maintain a firm grip with both hands.
- **First Aid:** Keep a first aid kit readily available.

Refer to local regulations and safety standards for additional guidelines.

3. COMPONENTS AND CONTROLS

Familiarize yourself with the main components and controls of your McCulloch CS 42STE chainsaw.



Figure 1: Overview of the McCulloch CS 42STE Petrol Chainsaw. This image displays the complete chainsaw, highlighting its main body, guide bar, and chain. The black and yellow design with the McCulloch branding on the guide bar is visible.

- **Guide Bar:** Supports and guides the saw chain. Length: 41 cm.
- **Saw Chain:** The cutting component.
- **Front Handle:** For gripping the chainsaw with the left hand.
- **Rear Handle:** For gripping the chainsaw with the right hand, containing the throttle control.
- **Chain Brake/Front Hand Guard:** A safety device that stops the chain in case of kickback. Also protects the left hand.
- **Start/Stop Switch:** Controls engine ignition and shutdown.
- **Primer Bulb:** Assists in cold starting by supplying fuel to the carburetor.
- **Fuel Tank Cap:** For accessing the fuel tank. Features a transparent viewing window for fuel level.
- **Oil Tank Cap:** For accessing the chain oil tank.
- **Chain Tensioner:** Mechanism for adjusting chain tension (tool-free).
- **Air Filter Cover:** Protects the air filter.

4. SETUP

4.1. Assembly of Guide Bar and Chain

1. Ensure the engine is off and the chain brake is engaged.
2. Remove the chain cover.
3. Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
4. Mount the guide bar onto the studs, aligning the chain with the guide bar groove.
5. Replace the chain cover and hand-tighten the nuts. Do not fully tighten yet.

4.2. Adjusting Chain Tension (Tool-Free)

The McCulloch CS 42STE features a tool-free chain tensioning system for quick and easy adjustment.

1. With the chain cover slightly loose, locate the chain tensioning knob or lever.
2. Turn the knob/lever to adjust the chain tension. The chain should be snug against the guide bar, but still able to be pulled freely by hand (with gloves).

3. Ensure there is no slack on the underside of the guide bar.
4. Once tension is correct, fully tighten the chain cover nuts.
5. Re-check chain tension after tightening the nuts.

4.3. Fueling and Oiling

This chainsaw uses a petrol engine and requires a specific fuel mixture and chain lubricant.

- **Fuel Mixture:** Use unleaded petrol mixed with high-quality 2-stroke engine oil at the ratio specified in the engine manual (typically 50:1 or 25:1, refer to engine manufacturer's instructions).
- **Chain Oil:** Fill the chain oil tank with biodegradable chain lubricant. This lubricates the chain and guide bar during operation.
- Always refuel and oil the chainsaw on a flat, stable surface, away from ignition sources.

5. OPERATING INSTRUCTIONS

5.1. Starting the Engine (Switch Start Technology)

The CS 42STE features Switch Start technology, making it easier to start, even at low temperatures, complemented by a soft start system and primer.

1. Place the chainsaw on a firm, flat surface. Ensure the chain brake is engaged.
2. Press the primer bulb several times until fuel is visible in the return line.
3. Set the combined start-stop switch to the choke position (cold start).
4. Pull the starter cord firmly and steadily until the engine fires (usually a few pulls).
5. Once the engine fires, immediately move the start-stop switch to the half-throttle position.
6. Pull the starter cord again until the engine starts and runs smoothly.
7. Once running, briefly blip the throttle to disengage the half-throttle, and the engine will return to idle.
8. Disengage the chain brake before beginning to cut.

For warm starts, the choke may not be necessary. Set the switch directly to the run position.

5.2. Cutting Techniques

Always maintain a firm grip with both hands on the chainsaw handles. Stand with your feet apart for balance.



Figure 2: A user demonstrating the McCulloch CS 42STE chainsaw in action, cutting through a log. The image shows the proper two-hand grip and the chainsaw's cutting action.

- **Felling:** For cutting down trees. Requires advanced technique and safety precautions. Consult professional guidance if unsure.
- **Limbing:** Removing branches from a felled tree. Work from the base towards the top, supporting the branch if necessary.
- **Bucking:** Cutting a felled tree into sections. Ensure the log is stable and supported to prevent pinching the guide bar.
- Avoid cutting into the ground or other hard objects.
- Do not force the chainsaw; let the chain do the work.



Figure 3: A close-up view of the McCulloch CS 42STE chainsaw actively cutting wood, with sawdust visibly dispersing. This illustrates the efficiency of the cutting process.



Figure 4: A user wearing full safety gear, including a helmet with face shield and ear protection, operating the McCulloch CS 42STE chainsaw near the base of a tree. This emphasizes safe operating practices.

5.3. Stopping the Engine

To stop the engine, simply move the combined start-stop switch to the "STOP" position.

Always engage the chain brake immediately after stopping the engine or when moving between cuts.

6. MAINTENANCE

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

- **Cleaning:** After each use, clean the chainsaw, especially the guide bar groove, chain, and air intake. Remove sawdust and debris.
- **Chain Sharpening:** A sharp chain is crucial for efficient and safe cutting. Sharpen the chain regularly according to the manufacturer's specifications for file size and angle. A dull chain will produce fine sawdust instead of chips.
- **Air Filter:** Clean the air filter periodically. A clogged air filter can reduce engine performance and increase fuel consumption.
- **Spark Plug:** Inspect and clean the spark plug regularly. Replace if worn or fouled.
- **Guide Bar:** Flip the guide bar periodically to ensure even wear. Clean the guide bar groove and oil holes.
- **Chain Brake:** Test the chain brake before each use to ensure it functions correctly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter.	Check fuel level and mixture, adjust choke, clean/replace spark plug, inspect fuel filter.
Engine runs poorly/lacks power	Clogged air filter, dull chain, incorrect fuel mixture, worn spark plug.	Clean air filter, sharpen/replace chain, ensure correct fuel mixture, replace spark plug.
Chain does not move	Chain brake engaged, chain too tight, clutch issue.	Disengage chain brake, adjust chain tension, consult service if clutch is suspected.
Excessive vibration	Loose components, damaged chain/guide bar, engine issue.	Inspect and tighten all components, check chain/guide bar for damage, consult service if engine related.

For issues not listed or if problems persist, contact an authorized service center.

8. SPECIFICATIONS

- **Model:** McCulloch CS 42STE
- **Engine Power:** 1500 Watts (OxyPower)
- **Engine Displacement:** 42 cm³
- **Blade Length:** 41 cm (16 inches)
- **Power Source:** Petrol (Hand-operated)
- **Starting System:** Switch Start Technology, Soft Start, Primer
- **Chain Brake:** Double Chain Brake
- **Air Filter System:** CCS Air Filter System
- **Anti-Vibration System:** Yes
- **Item Weight:** Approximately 9 Grams (Note: This value appears to be a data entry error. Please refer to product packaging for accurate weight.)
- **Product Dimensions:** 20.08 x 11.61 x 12.6 inches
- **Manufacturer:** Gardena Deutschland GmbH - DE Parent
- **Part Number:** 00096-73.208.02

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact McCulloch customer support directly. Keep your proof of purchase for warranty claims.

For technical assistance, spare parts, or service, please contact your authorized McCulloch dealer or visit the official McCulloch website for support contact details.

Manufacturer: Gardena Deutschland GmbH - DE Parent

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