

ECHO CS-2511T

ECHO CS-2511T-14 14-inch 25.0 cc Gas 2-Stroke Top Handle Chainsaw User Manual

Model: CS-2511T

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your ECHO CS-2511T-14 14-inch 25.0 cc Gas 2-Stroke Top Handle Chainsaw. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.



Image: The ECHO CS-2511T-14 14-inch 25.0 cc Gas 2-Stroke Top Handle Chainsaw, featuring its orange and black casing with a silver guide bar and chain.

SAFETY INFORMATION

Operating a chainsaw can be dangerous. Always follow safety precautions to minimize risks. Failure to do so may result in serious injury or death.

- **Personal Protective Equipment (PPE):** Always wear a safety helmet, eye protection, hearing protection, heavy-duty gloves, chainsaw protective trousers or chaps, and safety boots.
- **Work Area:** Ensure the work area is clear of bystanders, children, and pets. Maintain a firm footing and balance.
- **Fuel Handling:** Mix and handle fuel in a well-ventilated area, away from ignition sources. Do not smoke while fueling.
- **Kickback:** Be aware of kickback, which can occur when the moving chain at the tip of the guide bar contacts an object, or when the wood closes in and pinches the saw chain in the cut.
- **Inspection:** Before each use, inspect the chainsaw for loose fasteners, damaged parts, and proper chain tension.

- **Never operate the chainsaw with one hand.** This chainsaw is designed for two-handed operation.

PACKAGE CONTENTS

Upon unpacking, verify that all items are present and undamaged:

- ECHO CS-2511T-14 Chainsaw Powerhead
- 14-inch Guide Bar
- Saw Chain
- Guide Bar Cover
- Operator's Manual
- Basic Tool Kit (as indicated by product information)

SETUP AND ASSEMBLY

1. Guide Bar and Chain Installation

1. Ensure the engine is off and the chain brake is disengaged.
2. Remove the chain cover by loosening the two nuts.
3. Place the chain around the clutch drum, ensuring the cutting edges face forward on the top of the guide bar.
4. Fit the guide bar onto the studs, aligning the chain drive links with the groove in the guide bar.
5. Replace the chain cover and hand-tighten the nuts. Do not fully tighten yet.
6. Adjust chain tension using the tensioning screw. The chain should be snug against the guide bar, but still able to be pulled freely by hand.
7. Fully tighten the chain cover nuts.

2. Fuel and Chain Oil

This chainsaw uses a 2-stroke engine and requires a specific fuel mixture and chain lubricant.

- **Fuel Mixture:** Use fresh, unleaded gasoline mixed with high-quality 2-stroke engine oil at the ratio specified in the full operator's manual (typically 50:1 for ECHO).
- **Chain Oil:** Fill the chain oil tank with good quality bar and chain oil. Do not use waste oil or motor oil.



Image: A detailed diagram of the ECHO CS-2511T-14 chainsaw, highlighting key features such as the dual-post chain brake, textured grip, clutch-driven adjustable oiler, large tank opening, fine grid starter cover, and G-Force Engine Air Pre-Cleaner.

OPERATING INSTRUCTIONS

1. Starting the Engine (Cold Start)

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake.
3. Push the primer bulb 5-7 times until fuel is visible.
4. Pull the choke lever to the FULL CHOKE position.
5. Pull the starter handle firmly until the engine fires (usually 1-3 pulls).
6. Push the choke lever to the HALF CHOKE position.
7. Pull the starter handle again until the engine starts and runs.
8. Once running, push the choke lever to the RUN position.
9. Disengage the chain brake and allow the engine to warm up for a few moments before use.

2. Cutting Techniques

- Always hold the chainsaw firmly with both hands.
- Maintain a stable stance.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- Let the saw do the work; do not force it through the wood.
- Be aware of falling branches and shifting logs.

3. Stopping the Engine

To stop the engine, simply push the stop switch to the "OFF" position.



Image: A close-up view of the ECHO CS-2511T-14 chainsaw's engine housing, showing the air filter cover, fuel cap, oil cap, and control switches, with an emission control information label visible.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your chainsaw. Always ensure the engine is off and cool before performing any maintenance.

- **Chain Tension:** Check chain tension frequently. A properly tensioned chain should be snug but still able to be

pulled around the guide bar by hand.

- **Chain Sharpening:** A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly or replace it when dull. Refer to the full manual for specific sharpening angles and file sizes.
- **Air Filter:** Clean the air filter regularly, especially in dusty conditions. A clogged air filter can reduce engine performance.
- **Spark Plug:** Inspect the spark plug periodically. Clean or replace it if it's fouled or worn.
- **Guide Bar:** Clean the guide bar groove and oil holes. Flip the guide bar periodically to ensure even wear.
- **Sprocket:** Inspect the drive sprocket for wear and replace if necessary.



Image: A close-up view of the ECHO chainsaw's guide bar and chain, showing the "ECHO" branding on the bar and the sharp cutting teeth of the chain.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine won't start	No fuel, incorrect starting procedure, fouled spark plug, clogged fuel filter.	Check fuel level and mixture. Follow cold/warm start procedure. Inspect/clean/replace spark plug. Check/replace fuel filter.
Engine runs poorly/lacks power	Clogged air filter, dull chain, incorrect fuel mixture, carburetor issues.	Clean air filter. Sharpen or replace chain. Ensure correct fuel mixture. Consult a service technician for carburetor adjustments.
Chain not cutting efficiently	Dull chain, incorrect chain tension, worn guide bar.	Sharpen or replace chain. Adjust chain tension. Inspect guide bar for wear.
Chain oil not flowing	Empty oil tank, clogged oil port, damaged oil pump.	Fill oil tank. Clean oil port. Consult a service technician for oil pump issues.

SPECIFICATIONS

Model Number	CS-2511T
Engine Displacement	25.0 cc
Engine Type	2-Stroke Gas

Guide Bar Length	14 Inches
Item Weight	5.2 Pounds
Horsepower	3.5 Horsepower
Power Source	Gasoline-powered
UPC	743184014462
Manufacturer	ECHO

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official ECHO website. For technical support, service, or parts, please contact an authorized ECHO service dealer.

Important: Always use genuine ECHO replacement parts to maintain product integrity and warranty coverage.




OFFICIAL PRODUCT VIDEOS


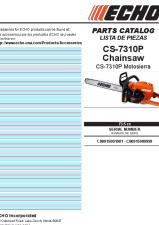

No official product videos from the seller were found for this model in the provided data.



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Related Documents - CS-2511T

	<p>ECHO CS-4920 Chainsaw Parts Catalog</p> <p>Detailed parts catalog for the ECHO CS-4920 Chainsaw, listing all components, part numbers, and descriptions for maintenance and repair. Includes diagrams and specifications.</p>
	<p>ECHO CS-352 Chainsaw Parts Catalog and Diagrams ECHO USA</p> <p>Comprehensive parts catalog for the ECHO CS-352 Chainsaw, including detailed diagrams, part numbers, and descriptions in English and Spanish. Find all replacement parts for your ECHO chainsaw.</p>
	<p>ECHO CS-4920 Chainsaw Operator's Manual</p> <p>This operator's manual provides essential safety information, operating instructions, and maintenance guidelines for the ECHO CS-4920 Chainsaw. Learn about safe operation, proper use of safety features, and routine maintenance to ensure the longevity and performance of your ECHO chainsaw.</p>

 <p>Operator's Manual CS-620P Chainsaw</p>	<p>ECHO CS-620P Chainsaw Operator's Manual</p> <p>Comprehensive operator's manual for the ECHO CS-620P Chainsaw, covering safety guidelines, operating procedures, maintenance schedules, troubleshooting tips, and specifications. Essential reading for safe and effective use.</p>
 <p>PARTS CATALOG CS-7310P Chainsaw</p>	<p>ECHO CS-7310P Chainsaw Parts Catalog</p> <p>Official parts catalog for the ECHO CS-7310P Chainsaw, detailing components and part numbers for maintenance and repair. Includes English and Spanish descriptions.</p>
 <p>SERVICE MANUAL ECHO CHAIN SAWS CS-440EVL CS-510EVL CS-550EVL CS-660EVL</p>	<p>ECHO Chain Saw Service Manual CS-440EVL, CS-510EVL, CS-550EVL, CS-660EVL</p> <p>Comprehensive service manual for ECHO chain saw models CS-440EVL, CS-510EVL, CS-550EVL, and CS-660EVL, providing detailed specifications, technical data, service limits, and torque specifications for maintenance and repair.</p>