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## UpStart Components CSC-S49-DL23

# UpStart Components 14-inch Semi Chisel Saw Chain CSC-S49 User Manual

For McCulloch Electramac EM14E Chainsaws

## 1. INTRODUCTION

This manual provides essential information for the proper installation, safe operation, and maintenance of your UpStart Components 14-inch Semi Chisel Saw Chain, model CSC-S49. This chain is designed for use with McCulloch Electramac EM14E Chainsaws. Adhering to these instructions will help ensure safe and efficient use of your chainsaw chain.

**Important Safety Warning: This saw chain may be capable of kickback that could result in serious injury to the chainsaw operator or bystanders. DO NOT USE THIS SAW CHAIN UNLESS YOU HAVE EXPERIENCE AND SPECIALIZED TRAINING FOR DEALING WITH KICKBACK. Always refer to your chainsaw's user manual for proper chain installation and maintenance procedures.**

## 2. PRODUCT OVERVIEW

The UpStart Components CSC-S49 saw chain is a high-performance, semi-chisel chain engineered for precision, balance, and safety. It features reduced vibration levels for consistent cuts and enhanced user comfort, and is designed for durability to maintain sharpness longer.

- High performance chain for smooth cuts.
- Engineered for precision, balance, and safety for efficient cutting.
- Reduced vibration levels for consistent cuts and greater user comfort.
- Designed for durability to keep the chain sharper longer.



Figure 1: UpStart Components 14-inch Semi Chisel Saw Chain in its retail packaging.

### 3. INSTALLATION (SETUP)

Proper installation of the saw chain is critical for safe and effective chainsaw operation. Always consult your specific McCulloch Electramac EM14E Chainsaw user manual for detailed, model-specific installation

instructions.

1. **Ensure Compatibility:** Before installation, verify that the pitch, gauge, and drive links of this replacement chain match the specifications required by your chainsaw's guide bar. The same saw model can have different bar lengths, so confirming these details is essential. This chain has a 3/8" Low Profile Pitch, 0.050" Gauge, and 49 Drive Links.
2. **Safety First:** Always wear heavy-duty gloves when handling the saw chain. Ensure the chainsaw is turned off and the spark plug cap is disconnected (for gas models) or the battery is removed (for electric models) to prevent accidental starting.
3. **Remove Old Chain:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old chain from the guide bar and sprocket.
4. **Install New Chain:** Place the new chain around the sprocket and guide bar, ensuring the cutting edges of the chain teeth face the correct direction (usually forward on the top of the bar).
5. **Adjust Tension:** Reinstall the clutch cover and finger-tighten the bar nuts. Adjust the chain tension according to your chainsaw's manual. 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 bar, and the drive links should sit fully in the bar groove.
6. **Final Tightening:** Once tension is set, tighten the bar nuts securely.

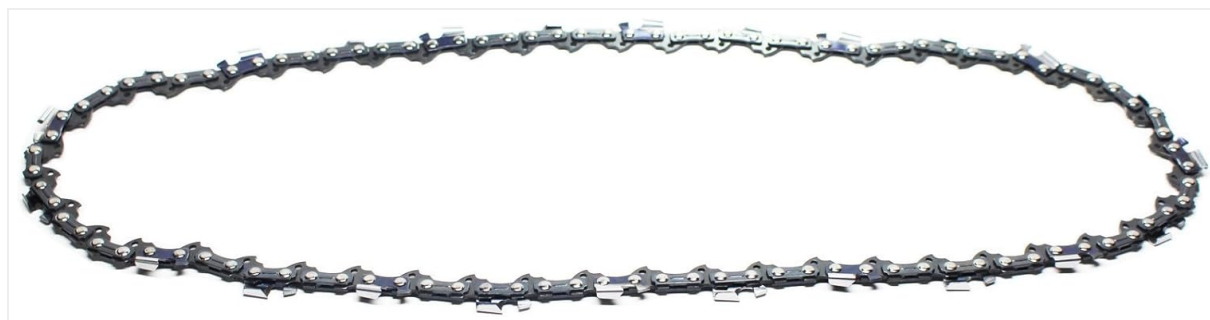


Figure 2: The UpStart Components 14-inch Semi Chisel Saw Chain, ready for installation.

## 4. OPERATION

Once the chain is correctly installed and tensioned, follow these general guidelines for safe operation. Always refer to your chainsaw's specific operating instructions.

- **Personal Protective Equipment (PPE):** Always wear appropriate safety gear, including a helmet with face shield, hearing protection, safety glasses, heavy-duty gloves, chainsaw protective trousers or chaps, and steel-toed boots.
- **Pre-Operation Check:** Before each use, inspect the chain for sharpness, proper tension, and any damage. Ensure all nuts and bolts are tight.
- **Proper Grip:** Maintain a firm grip on both handles of the chainsaw with both hands.
- **Work Area:** Clear the work area of obstacles and ensure stable footing. Be aware of your surroundings and potential hazards.
- **Avoid Kickback:** Be extremely cautious of kickback, which can occur when the moving chain at the nose or tip of the guide bar contacts an object, or when the wood closes in and pinches the saw chain in the cut.
- **Chain Lubrication:** Ensure the chainsaw's automatic oiler is functioning and the oil reservoir is filled with appropriate bar and chain oil.

## 5. MAINTENANCE

Regular maintenance extends the life of your saw chain and ensures safe, efficient cutting performance. Replace dull or damaged chains promptly to avoid injuries.

- **Sharpening:** Keep the chain sharp. A dull chain requires more force, increases wear on the chainsaw, and is more prone to kickback. Sharpening should be done regularly with the correct file size and angle, as specified for 3/8" Low Profile chains.
- **Cleaning:** After each use, clean the chain to remove sawdust, sap, and debris. This prevents buildup that can hinder performance and cause premature wear.
- **Lubrication:** Ensure adequate bar and chain oil is always supplied during operation. Check the oiler function regularly.
- **Tension Check:** Re-check chain tension frequently, especially during the first hour of use with a new chain, as chains can stretch. Adjust as needed.
- **Inspection for Damage:** Regularly inspect the chain for bent, cracked, or broken links, rivets, or cutters. Replace the chain immediately if any damage is found.



Figure 3: Close-up of the saw chain links, illustrating the semi-chisel design for maintenance inspection.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your saw chain.

- **Chain Not Cutting Efficiently:** This is typically a sign of a dull chain. Sharpen the chain or replace it if it's severely worn or damaged. Incorrect chain tension can also affect cutting efficiency.
- **Chain Smoking or Overheating:** Insufficient lubrication is a common cause. Check the bar oil reservoir and ensure the automatic oiler is functioning. Incorrect chain tension (too tight) can also cause overheating.
- **Chain Derails from Bar:** This usually indicates improper chain tension (too loose) or a worn guide bar. Inspect the guide bar for wear and adjust chain tension.
- **Excessive Vibration:** A damaged or improperly sharpened chain can cause excessive vibration. Inspect the chain for damage and ensure proper sharpening.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	UpStart Components
Model Number	CSC-S49-DL23
Chain Type	Semi Chisel, Low Profile
Item Length	14 Inches
Pitch	3/8" Low Profile
Gauge	0.050"
Drive Links	49
UPC	711841345129
Compatible Chainsaw	McCulloch Electramac EM14E

## 8. WARRANTY AND SUPPORT

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For information regarding warranty coverage or technical support for your UpStart Components saw chain, please refer to the manufacturer's official website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: UpStart Components