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UpStart Components CSC-S55-DL206

UpStart Components 16-inch Semi Chisel Saw Chain User Manual

Model: CSC-S55-DL206 for Troy Bilt TB4516 Chainsaws

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the UpStart Components 16-inch Semi Chisel Saw Chain, model CSC-S55-DL206. This saw chain is designed as a replacement for Troy Bilt TB4516 chainsaws and features a 3/8-inch Low Profile Pitch, 0.050-inch Gauge, and 55 Drive Links. It is engineered for precision, balance, and safety to ensure efficient cutting performance.



Figure 1: UpStart Components 16-inch Semi Chisel Saw Chain, model CSC-S55-DL206, shown in its retail packaging alongside a portion of the chain.

2. SAFETY INFORMATION

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, maintenance, and safe operation procedures.

Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and protective legwear when handling or operating a chainsaw and its components. Ensure the chainsaw is turned off and the spark plug cap is disconnected before performing any maintenance or chain replacement.

3. PRODUCT FEATURES

- **High Performance:** Engineered for smooth cuts and efficient operation.
- **Reduced Vibration:** Designed to minimize vibration levels for consistent cuts and enhanced user

comfort.

- **Durability:** Constructed for longevity, helping the chain stay sharper for extended periods.
- **Precision Engineering:** Balanced design for optimal cutting performance and safety.

4. SETUP AND INSTALLATION

Proper installation of the saw chain is critical for safety and performance. Always consult your chainsaw's specific user manual for detailed instructions on how to remove the old chain and install a new one. The following are general steps:

1. **Ensure Safety:** Turn off the chainsaw, engage the chain brake, and disconnect the spark plug cap to prevent accidental starting.
2. **Remove Bar Cover:** Loosen the bar nuts and remove the side cover that holds the guide bar in place.
3. **Remove Old Chain:** Carefully remove the old chain from the guide bar and drive sprocket.
4. **Install New Chain:** Place the new UpStart Components chain onto the drive sprocket, ensuring the cutting edges are facing the correct direction (usually forward on the top of the bar).
5. **Fit Guide Bar:** Position the guide bar over the chain and sprocket, ensuring the drive links fit into the groove of the guide bar.
6. **Replace Bar Cover:** Reinstall the side cover and hand-tighten the bar nuts.
7. **Adjust Chain Tension:** Adjust the chain tension according to your chainsaw's manual. The chain should be snug against the bottom of the guide bar, but still able to be pulled around the bar by hand without binding.
8. **Final Tightening:** Fully tighten the bar nuts.
9. **Check Operation:** Reconnect the spark plug cap. Briefly run the chainsaw at low speed to ensure the chain moves freely and tension remains correct. Re-adjust if necessary.

Important Note: Before purchasing or installing, always confirm the pitch, gauge, and drive links on your current guide bar to ensure compatibility. Not all guide bars take the same amount of links, even on the same saw model.



Figure 2: The UpStart Components 16-inch Semi Chisel Saw Chain laid out, illustrating its full length and link configuration for installation.

5. OPERATION

This saw chain is designed to be used with compatible chainsaws, specifically the Troy Bilt TB4516. For detailed operating instructions, including starting, cutting techniques, and safety precautions during use, refer exclusively to the user manual provided with your chainsaw. This chain is a component and does not alter the fundamental operation of the chainsaw itself.

Always ensure the chain is properly tensioned and lubricated before and during operation. A dull or

improperly tensioned chain can lead to kickback, poor cutting performance, and increased wear on the chainsaw.

6. MAINTENANCE

Regular maintenance of your saw chain is essential for safety, performance, and extending its lifespan. Avoid injuries by replacing dull or damaged chains with a sharp new chain.

- **Sharpening:** Keep the chain cutters sharp. A sharp chain cuts efficiently and reduces the risk of kickback. Use appropriate sharpening tools and follow the angles recommended for semi-chisel chains.
- **Lubrication:** Ensure your chainsaw's automatic oiler is functioning correctly and that the oil reservoir is filled with suitable bar and chain oil. Proper lubrication reduces friction and heat, preventing premature wear.
- **Cleaning:** Periodically clean the chain, guide bar groove, and sprocket area to remove sawdust, sap, and debris. This prevents buildup that can impede chain movement and lubrication.
- **Tension Check:** Check chain tension frequently, especially during initial use and after prolonged cutting. A properly tensioned chain should not sag on the underside of the guide bar but should still be able to be pulled around the bar by hand.
- **Inspection:** Regularly inspect the chain for damaged or missing cutters, cracked drive links, or excessive wear. Replace the chain immediately if any significant damage is found.



Figure 3: A detailed close-up of the semi-chisel cutters on the UpStart Components saw chain, highlighting the design for effective cutting and sharpening.

7. TROUBLESHOOTING

Most issues related to the saw chain can be resolved with proper installation and maintenance.

Problem	Possible Cause	Solution
Chain not cutting efficiently	Dull cutters; incorrect sharpening angle; improper chain tension.	Sharpen the chain; verify sharpening angles; adjust chain tension.
Chain comes off the guide bar	Loose chain tension; worn guide bar or sprocket; incorrect chain size.	Adjust chain tension; inspect and replace worn components; ensure correct chain specifications.
Excessive smoke or heat from chain	Lack of lubrication; dull chain; improper chain tension.	Check oiler and oil level; sharpen chain; adjust chain tension.
Chain binds or snags	Dull chain; improper cutting technique; debris in guide bar groove.	Sharpen chain; review chainsaw operating manual for proper technique; clean guide bar.

8. SPECIFICATIONS

Specification	Detail
Brand	UpStart Components
Model Number	CSC-S55-DL206
Compatible Chainsaw	Troy Bilt TB4516
Chain Type	Semi Chisel, Low Profile
Item Length	16 Inches
Pitch	3/8 inch Low Profile
Gauge	0.050 inch
Drive Links	55
UPC	734639654326

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or to obtain technical support for your UpStart Components saw chain, please contact UpStart Components customer service directly. Refer to the product packaging or the UpStart Components website for current contact details.