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> TrueCut Chainsaw Bar & Chain Combo User Manual

TrueCut DCS3500, DCS400, DCS4610, DC8350S, DC8390, 501GNB

Chainsaw Bar & Chain Combo User Manual

Model: DCS3500, DCS400, DCS4610, DC8350S, DC8390, 501GNB

Brand: TrueCut

1. PRODUCT OVERVIEW

This document provides essential information for the proper installation, operation, and maintenance of your TrueCut Aftermarket Replacement Chainsaw Bar and Chain Combo. This combo is designed as a direct replacement for various Makita chainsaw models, ensuring optimal performance and durability.

Key features include:

- Brand new aftermarket replacement part.
- Top quality construction for reliable performance.
- Equipped with a nose sprocket for smooth chain movement.

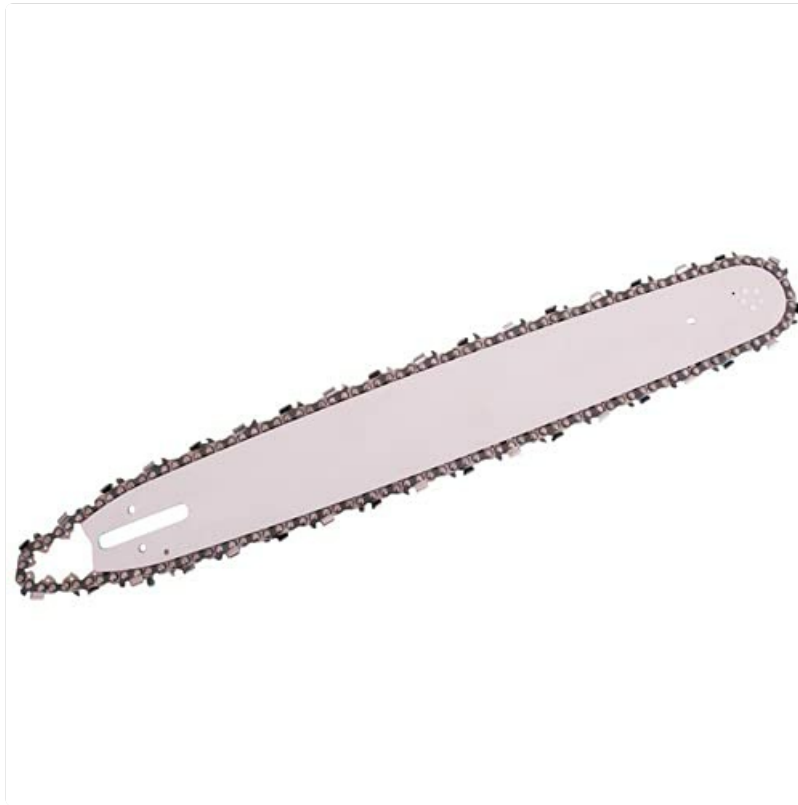


Figure 1: TrueCut Chainsaw Bar and Chain Combo. This image displays the complete bar and chain assembly, highlighting its design and components, including the guide bar and the cutting chain wrapped around it.

2. SETUP AND INSTALLATION

Proper installation of the chainsaw bar and chain is critical for safe and efficient operation. Always refer to your chainsaw's original manufacturer's manual for specific instructions related to your model.

2.1 Safety Precautions

- Ensure the chainsaw is turned off and the spark plug cap is disconnected (for gasoline models) or the battery is removed (for electric/cordless models) before beginning any work.
- Wear appropriate personal protective equipment (PPE), including heavy-duty gloves.
- Work on a stable, clean surface.

2.2 Installation Steps

1. **Remove Old Bar and Chain:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old bar and chain from the chainsaw.
2. **Clean Components:** Clean any sawdust or debris from the clutch area, bar groove, and oil holes on the chainsaw.
3. **Install New Chain:** Place the new chain onto the drive sprocket, ensuring the cutting edges are facing the correct direction (usually forward on the top of the bar).
4. **Mount New Bar:** Slide the new guide bar onto the bar studs, aligning the chain with the groove in the bar.
5. **Replace Clutch Cover:** Reinstall the clutch cover and loosely tighten the bar nuts.
6. **Adjust Chain Tension:** Adjust the chain tension screw until the chain is snug against the bottom of the bar, but can still be pulled around the bar by hand without binding. The chain should not sag from the bottom of the bar.
7. **Tighten Bar Nuts:** Fully tighten the bar nuts while holding the tip of the bar up to maintain tension.

8. **Final Check:** Verify chain tension again after tightening. It may slightly loosen.

3. OPERATING CONSIDERATIONS

While this manual focuses on the bar and chain, proper operation of the chainsaw itself is paramount for safety and performance. Always ensure the chain is properly tensioned and lubricated before each use.

3.1 Chain Tension

Correct chain tension is vital. A chain that is too loose can derail, causing injury or damage. A chain that is too tight can cause excessive wear on the bar, chain, and sprocket, and can lead to overheating. Check tension frequently, especially during the first hour of operation with a new chain, as chains can stretch.

3.2 Lubrication

Ensure your chainsaw's automatic oiler is functioning correctly and that the oil reservoir is filled with appropriate bar and chain oil. Proper lubrication reduces friction and heat, extending the life of the bar and chain.

4. MAINTENANCE

Regular maintenance will significantly extend the lifespan of your TrueCut bar and chain combo and ensure safe operation.

4.1 Bar Maintenance

- **Clean Bar Groove:** Regularly clean the guide bar groove to remove sawdust and debris that can impede chain movement and oil flow.
- **Check Oil Holes:** Ensure the oil holes on the bar are clear to allow proper lubrication.
- **Flip Bar:** Periodically flip the guide bar (if symmetrical) to ensure even wear on both sides.
- **Inspect for Burrs:** Check the bar rails for burrs or uneven wear. File down any burrs to prevent chain binding.

4.2 Chain Maintenance

- **Sharpening:** Keep the chain sharp. A dull chain increases effort, causes excessive wear, and can be dangerous. Sharpen cutters regularly with the correct file size and angle.
- **Cleaning:** Clean the chain to remove resin and debris, especially after prolonged use.
- **Lubrication:** Ensure consistent lubrication during operation.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Chain not cutting efficiently	Dull chain, incorrect chain tension, insufficient oil.	Sharpen chain, adjust tension, check oil level and oiler function.
Chain binding or smoking	Chain too tight, insufficient lubrication, clogged bar groove.	Loosen chain tension, refill oil, clean bar groove and oil holes.
Chain derails from bar	Chain too loose, worn drive sprocket, damaged bar rails.	Adjust chain tension, inspect and replace sprocket/bar if necessary.

6. SPECIFICATIONS

- **Product Type:** Aftermarket Replacement Chainsaw Bar and Chain Combo
- **Brand:** TrueCut
- **Compatible Models:** Makita DCS3500, DCS400, DCS4610, DC8350S, DC8390, 501GNB
- **Bar Length:** 14 Inches
- **Chain Pitch:** 3/8LP (Low Profile)
- **Chain Gauge:** .050 inches
- **Features:** Nose Sprocket Teeth
- **Product Dimensions:** 6 x 6 x 6 inches (Packaging/Shipping dimensions, actual product dimensions are for the bar and chain)
- **Item Weight:** 5 ounces
- **Country of Origin:** USA

7. WARRANTY AND SUPPORT

As an aftermarket replacement part, warranty coverage may vary. Please refer to the specific warranty information provided by your retailer or the manufacturer, TrueCut, at the time of purchase. For technical support or further inquiries, please contact the seller or TrueCut directly.