

Oregon 27857

Oregon 16-Inch AdvanceCut Chainsaw Bar and Chain Combo Instruction Manual

Model: 27857

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Oregon 16-Inch AdvanceCut Chainsaw Bar and Chain Combo. This product is designed to refresh your chainsaw's cutting components, offering durability and performance for various wood-cutting tasks.

The S56 chain features 56 drive links with a 3/8-inch low profile pitch and a .050-inch gauge. This combination is engineered for low vibration, easy maintenance, and reduced kickback, enhancing user safety. The heat-treated semi-chisel chain is designed for smooth cutting and tolerance to debris. This combo is suitable for chainsaws up to 42 cc and meets the kickback performance requirements of ANSI B175.1-2012. It incorporates Oregon's LubriTec oiling system, which is designed to extend the life of both the guide bar and the saw chain.

2. PRODUCT OVERVIEW

The Oregon 16-Inch AdvanceCut Chainsaw Bar and Chain Combo includes a 16-inch guide bar and a matching S56 chainsaw chain. Key features include:

- **Guide Bar:** 16-inch length with an A041 motor mount.
- **Chainsaw Chain:** S56, 56 drive links, 3/8" low profile pitch, .050" gauge, semi-chisel cutters.
- **LubriTec Oiling System:** Designed to keep the chain and guide bar automatically oiled, reducing friction and extending component life.
- **Low Kickback Design:** Enhances safety during operation.

This combo is compatible with a wide range of chainsaw models up to 42 cc, including but not limited to:

- Craftsman CMECS600, S160
- ECHO CS310
- Earthwise CS33016
- Homelite UT43104, UT43123, ZR43100
- Makita UC4051A, XCU04
- Oregon CS1400
- Poulan PL1416, PL3816, PR4218

- Ryobi RY3716
- Wen 4017, 40417



Image 2.1: The Oregon 16-Inch AdvanceCut Chainsaw Bar and Chain Combo, showing the bar and chain components.

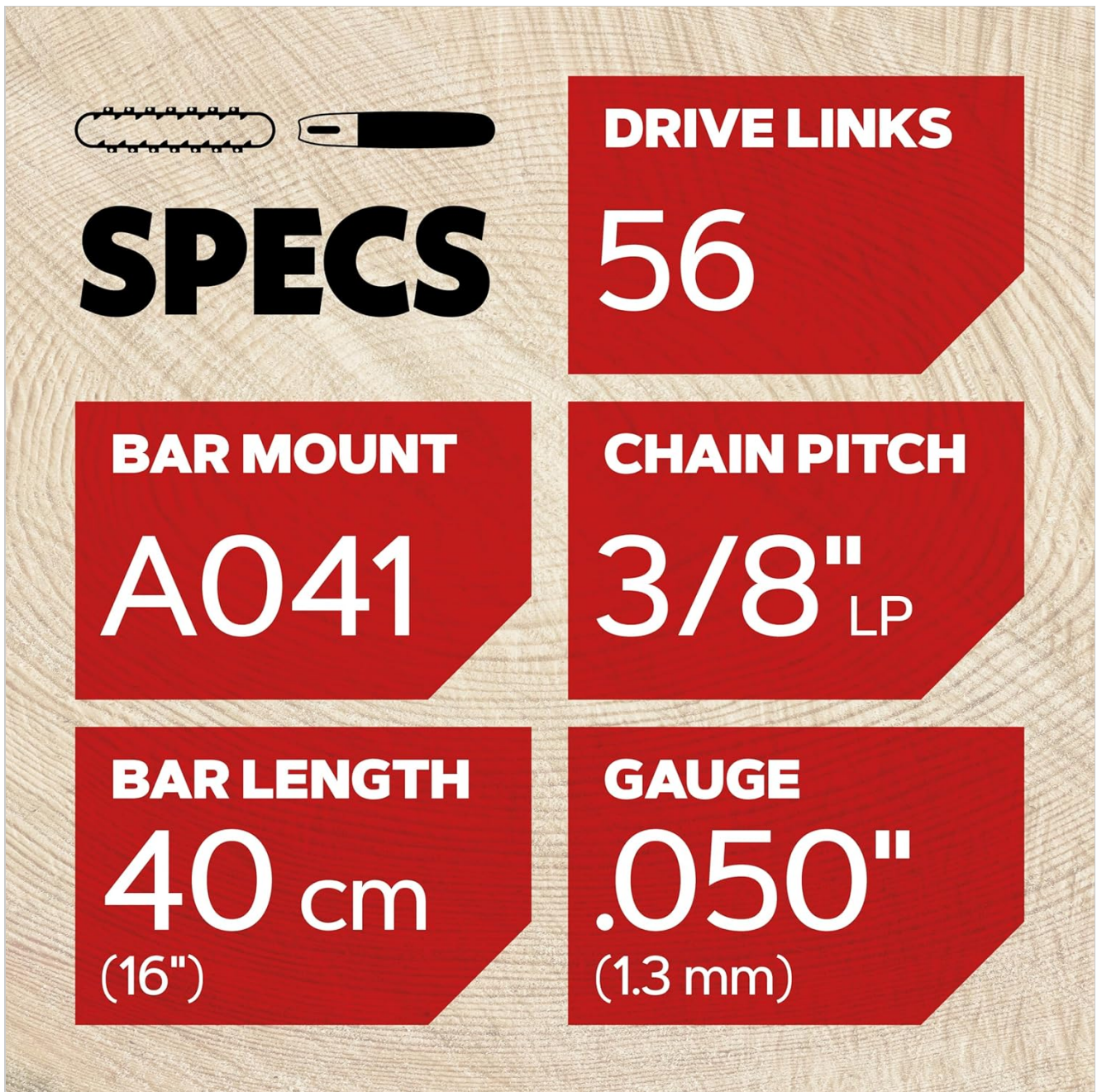


Image 2.2: Detailed specifications including 56 drive links, A041 bar mount, 3/8" LP chain pitch, 16" (40cm) bar length, and .050" (1.3mm) gauge.

3. SETUP AND INSTALLATION

Before installing the new bar and chain, ensure your chainsaw is turned off and disconnected from its power source (battery removed or spark plug wire disconnected). Always wear appropriate safety gear, including gloves.

3.1 Identifying Correct Components

To ensure proper fit, verify the specifications of your existing chainsaw bar and chain. Refer to your chainsaw's owner's manual or the number stamped on the drive link of your old chain for the correct gauge and pitch.

- **Chain Gauge:** This is the thickness of the drive link where it fits into the guide bar groove. It must match the guide bar's gauge.
- **Chain Pitch:** This refers to the size of the chain, defined as the distance between any three consecutive rivets divided by two.
- **Guide Bar Length:** The effective cutting length of the bar, typically stated in your chainsaw's manual.

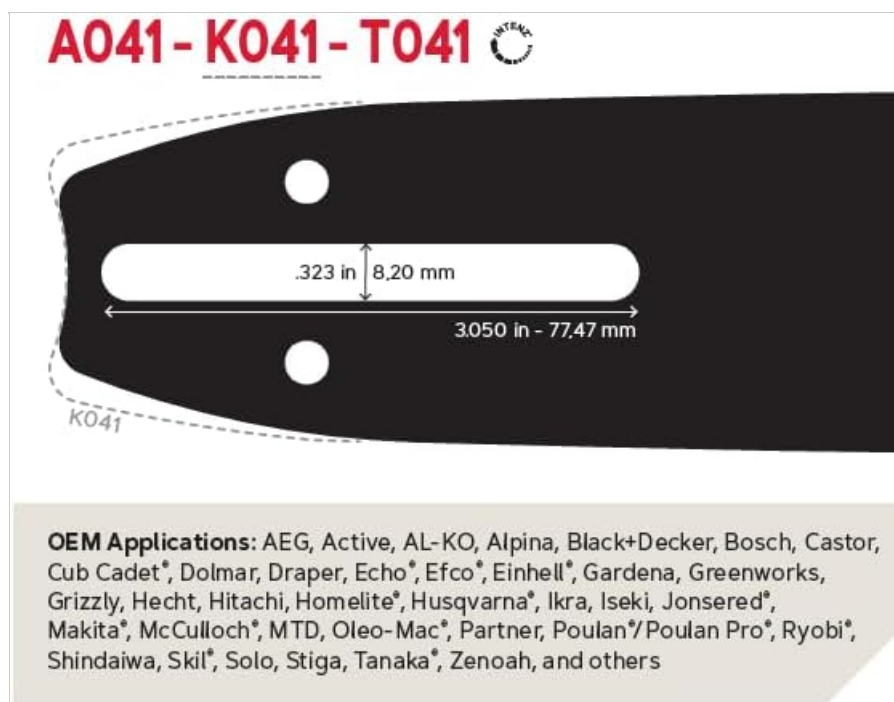


Image 3.1: Diagram illustrating the dimensions of A041, K041, and T041 bar mounts for compatibility verification.



Image 3.2: Icon indicating how to measure bar length.



Image 3.3: Icon indicating how to measure chain gauge.



Image 3.4: Icon indicating how to measure chain pitch.

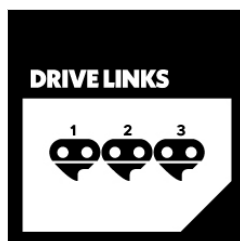


Image 3.5: Icon indicating how to count drive links.

3.2 Installation Steps

1. Remove the chain cover and old bar/chain from your chainsaw according to your chainsaw's manufacturer instructions.

2. Clean any sawdust or debris from the chainsaw's bar mounting area.
3. Place the new Oregon guide bar onto the mounting studs.
4. Carefully loop the new Oregon chain around the drive sprocket and into the guide bar groove, ensuring the cutting edges face the correct direction.
5. Replace the chain cover and loosely tighten the nuts.
6. Adjust chain tension. The chain should be snug against the bottom of the guide bar, but still able to be pulled around the bar by hand. Refer to your chainsaw's manual for specific tensioning procedures.
7. Fully tighten the chain cover nuts.

4. OPERATING INSTRUCTIONS

The Oregon AdvanceCut bar and chain combo is designed for efficient and smooth cutting, particularly for landscaping professionals and private users engaged in occasional wood cutting. Its low kickback design contributes to safer operation.

4.1 Pre-Operation Checks

- Ensure the chain is properly tensioned.
- Verify the oil reservoir is filled with appropriate bar and chain oil. The LubriTec system relies on adequate oil supply.
- Inspect the chain for sharpness and any damage.
- Confirm all nuts and bolts are securely tightened.

4.2 Cutting Techniques

Always follow the operating instructions provided in your chainsaw's owner's manual. Maintain a firm grip on the chainsaw with both hands. Position yourself securely and ensure the cutting area is clear of obstructions and bystanders. Allow the chain to reach full speed before engaging the wood. Avoid cutting with the tip of the bar to minimize kickback risk.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Oregon bar and chain combo.

5.1 Chain Oiling

The integrated LubriTec oiling system automatically lubricates the chain and bar during operation. Regularly check your chainsaw's oil reservoir and refill with quality bar and chain oil as needed. Proper lubrication is crucial for reducing friction, heat, and wear.

5.2 Chain Sharpening

A sharp chain cuts efficiently and safely. Sharpen the chain regularly using the correct file size and angle for a 3/8" low profile semi-chisel chain. Refer to your chainsaw's manual or Oregon's sharpening guides for detailed instructions.

5.3 Bar Maintenance

- Periodically clean the guide bar groove to remove sawdust and debris.
- Flip the guide bar regularly to ensure even wear on both sides.

- Check the bar rails for burrs or damage and file them smooth if necessary.

6. TROUBLESHOOTING

This section addresses common issues related to the bar and chain. For chainsaw-specific problems, consult your chainsaw's owner's manual.

- **Poor Cutting Performance:** Check chain sharpness, tension, and ensure the chain is installed in the correct direction. Verify adequate bar and chain oil is present.
- **Excessive Smoke/Heat:** This often indicates insufficient lubrication or incorrect chain tension. Check oil levels and chain tension. Ensure the guide bar groove is clean.
- **Chain Derailment:** Usually caused by improper chain tension (too loose) or a worn/damaged guide bar. Inspect both components and adjust tension.

If issues persist, discontinue use and consult a qualified service technician or contact Oregon customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	27857
Guide Bar Length	16 Inches (40 cm)
Chain Type	AdvanceCut, Semi-Chisel
Chain Pitch	3/8 Inch Low Profile
Chain Gauge	.050 Inch (1.3 mm)
Drive Link Count	56
Bar Mount Type	A041
Material	Steel
Item Weight	1 pound
Product Dimensions	4.85 x 21 x 1.4 inches

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Oregon product, please refer to the documentation included with your purchase or visit the official Oregon website. For technical support, replacement parts, or additional accessories, please contact Oregon customer service or visit their website for a fitting guide and product information.

Online Resources: For further assistance and product information, visit the [Oregon Store on Amazon](#) or the official Oregon website.



