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› Proven Part 20" Bar And Chain for Echo CS-6700, CS-6701 Instruction Manual

Proven Part 20D0AS72LPX

Proven Part 20" Bar And Chain for Echo CS-6700, CS-6701 Instruction Manual

Model: 20D0AS72LPX, 20D0AS3870C, 72LPX70CQ

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Proven Part 20-inch chainsaw bar and semi-chisel chain combination. This product is designed for use with Echo CS-6700 and CS-6701 chainsaw models. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

Always prioritize safety when working with chainsaws. Improper use or maintenance can lead to serious injury. Adhere to the safety guidelines provided in your chainsaw's original instruction manual in addition to the following:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and protective footwear.
- Ensure the chainsaw is turned off and the spark plug cap is disconnected before performing any installation, adjustment, or maintenance.
- Inspect the bar and chain for damage before each use. Replace worn or damaged components immediately.
- Maintain proper chain tension. A loose chain can derail, and an overly tight chain can cause premature wear and damage.
- Keep the chain sharp. A dull chain increases the risk of kickback and requires more effort to cut.
- Use only recommended bar and chain oil for lubrication.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1 x Proven Part 20-inch Chainsaw Guide Bar
- 1 x Proven Part Semi-Chisel Chainsaw Chain (72 Drive Links)



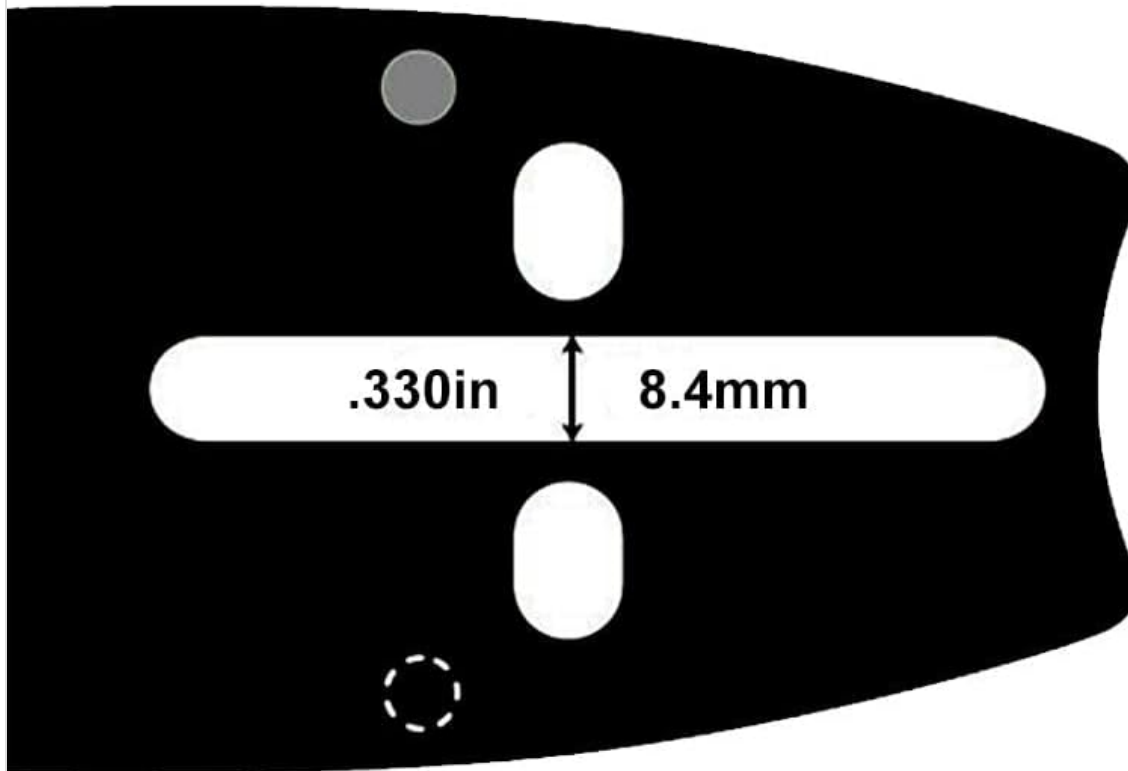
Image 3.1: Proven Part 20-inch Bar and Chain in its retail packaging, showing the product name and specifications.

4. PRODUCT SPECIFICATIONS

| Component | Specification |
|------------------|---------------|
| Guide Bar Length | 20 inches |
| Chain Pitch | 3/8 inch |
| Chain Gauge | .050 inch |
| Drive Links | 72 |

| Component | Specification |
|-----------------------|--|
| Chain Type | Semi-Chisel |
| Bar Mount Type | EX (Oregon: D176, Carlton: 41, Windsor: UXL) |
| Replaces Part Numbers | 20D0AS72LPX, 20D0AS3870C, 72LPX70CQ |

Proven Part™



BAR MOUNT: EX OREGON: D176

Carlton Mount - 41 Windsor Mount - UXL

OEM Applications:

**Alko, Echo, Fairmont, John Deere, McCulloch,
Poulan/Poulan Pro, Redmax, Sears, Skil, Tanaka**

Image 4.1: Diagram illustrating bar mount dimensions and compatible OEM applications for various chainsaw brands.



Image 4.2: Explanation of semi-chisel chain characteristics, highlighting its rounded edges for durability and reduced kickback.

5. COMPATIBILITY

This Proven Part 20-inch bar and chain combination is specifically designed to fit the following Echo chainsaw models:

- Echo CS-6700
- Echo CS-6701

Always confirm your chainsaw's specifications (bar length, pitch, gauge, and drive links) against the product specifications before installation to ensure proper fit and safe operation.

6. SETUP AND INSTALLATION

Follow these steps to install the new guide bar and chain on your Echo chainsaw. Refer to your chainsaw's owner's manual for specific instructions related to your model.

1. **Preparation:** Ensure the chainsaw is turned off, the spark plug cap is disconnected, and the chain brake is disengaged. Place the chainsaw on a stable, flat surface.
2. **Remove Old Bar and Chain:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old chain and guide bar.
3. **Clean:** Clean any sawdust or debris from the clutch area, bar mounting surface, and the guide bar groove.
4. **Install New Bar:** Position the new Proven Part guide bar over the bar studs. Ensure the bar's oil holes align with the chainsaw's oil port.
5. **Install New Chain:** Place the new Proven Part chain around the clutch sprocket, then guide it into the groove of the guide bar. Ensure the cutting edges of the chain cutters are facing forward in the direction of rotation.
6. **Replace Clutch Cover:** Reinstall the clutch cover, ensuring the chain tensioner pin engages with the hole in the guide bar. Hand-tighten the bar nuts.
7. **Adjust Chain Tension:** Adjust the chain tension screw until the chain is snug against the bottom of the guide bar, but can still be pulled freely by hand. The chain should not sag on the underside of the bar. Lift the tip of the bar slightly while tightening the bar nuts to ensure proper tension.
8. **Final Check:** Once the bar nuts are fully tightened, check the chain tension again. It should be firm but still allow the chain to move smoothly around the bar. Reconnect the spark plug cap.



Image 6.1: The Proven Part 20-inch guide bar with the semi-chisel chain correctly installed and tensioned.

7. OPERATING GUIDELINES

After installation, observe the following guidelines for optimal performance and safety:

- **Chain Lubrication:** Ensure the chainsaw's oil reservoir is filled with appropriate bar and chain oil. The chain should be continuously lubricated during operation. Check the oil level frequently.
- **Break-in Period:** New chains may stretch during initial use. Check chain tension frequently during the first hour of operation and adjust as needed.
- **Cutting Technique:** Always use proper cutting techniques as outlined in your chainsaw's manual. Avoid forcing the chain,

let the sharp chain do the work.

- **Kickback Prevention:** Be aware of kickback zones and avoid cutting with the tip of the guide bar. Maintain a firm grip on the chainsaw with both hands.

8. MAINTENANCE

Regular maintenance extends the life of your bar and chain and ensures safe operation.

- **Chain Sharpening:** Sharpen the chain regularly using a round file of the correct diameter (typically 5/32" or 4.0mm for 3/8" low profile chains, but verify for this specific chain). Maintain consistent filing angles for all cutters. A sharp chain produces fine wood chips; a dull chain produces sawdust.
- **Bar Maintenance:**
 - Clean the guide bar groove regularly to remove sawdust and debris.
 - Flip the guide bar periodically to ensure even wear on both sides.
 - Check the bar rails for burrs or damage. File down any burrs with a flat file.
- **Lubrication:** Ensure the oil holes on the guide bar are clear and that the chain oiler is functioning correctly.
- **Storage:** When not in use, clean the bar and chain thoroughly. Apply a light coat of oil to prevent rust. Store in a dry place.



Image 8.1: A close-up view of the Proven Part semi-chisel chain links, showing the cutter design.



Image 8.2: A detailed view of an individual semi-chisel chain cutter, illustrating its rounded cutting edge.



Image 8.3: The full length of the Proven Part semi-chisel chain, showing all 72 drive links.



Image 8.4: The Proven Part "Ultimate Timber" guide bar, highlighting its branding and design.

9. TROUBLESHOOTING

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

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---|---|---|
| Chain not cutting efficiently / producing sawdust | Dull chain, incorrect sharpening angle | Sharpen the chain. Ensure correct file size and angles are used. |
| Chain smoking / overheating | Insufficient lubrication, dull chain, incorrect chain tension | Check oil reservoir and oiler function. Sharpen chain. Adjust chain tension. |
| Chain derails from bar | Loose chain tension, worn guide bar, damaged chain | Adjust chain tension. Inspect guide bar for wear; replace if necessary. Inspect chain for damage; replace if necessary. |
| Excessive vibration | Damaged chain, bent guide bar, loose components | Inspect chain and bar for damage; replace if necessary. Ensure bar nuts are tightened. |

10. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Proven Part product, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Manufacturer: Proven Part

Website: [Proven Part Store on Amazon](#)



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