

Manuals.plus /

› UpStart Components /

› UpStart Components 16-inch Single Rivet Chainsaw Guide Bar for Skil 1604H Instruction Manual

UpStart Components 16-inch Single Rivet Guide Bar

UpStart Components 16-inch Single Rivet Chainsaw Guide Bar Instruction Manual

Model: 16-inch Single Rivet Guide Bar (Compatible with Skil 1604H Chainsaw)

Introduction Safety Information Compatibility Specifications Setup & Installation Operation
Guidelines Maintenance Troubleshooting Warranty & Support

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your UpStart Components 16-inch Single Rivet Chainsaw Guide Bar. This guide bar is designed as a replacement part for specific chainsaw models, offering reliable performance and durability. Please read this manual thoroughly before installation and use to ensure safe and effective operation.



Figure 1: UpStart Components 16-inch Single Rivet Chainsaw Guide Bar. This image shows the full length of the guide bar with the 'UPStart Components' logo clearly visible on its surface. The bar is silver-colored with a smooth finish.

2. SAFETY INFORMATION

Always prioritize safety when working with chainsaws and their components. Failure to follow safety instructions can result in serious injury or death.

- **Read Chainsaw Manual:** Always refer to your chainsaw's original instruction manual for specific safety procedures, installation steps, and operational guidelines.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, hearing protection, gloves, and protective footwear, when handling chainsaw components or operating a chainsaw.

- **Power Disconnection:** 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 performing any installation, maintenance, or inspection.
- **Inspect Components:** Before each use, inspect the guide bar, chain, and chainsaw for any damage, wear, or loose parts. Replace damaged components immediately.
- **Proper Chain Tension:** Maintain correct chain tension as specified in your chainsaw manual. Incorrect tension can lead to chain derailment or accelerated wear.
- **Lubrication:** Ensure the guide bar and chain are adequately lubricated with appropriate bar and chain oil during operation.
- **Kickback Awareness:** Understand the risks of chainsaw kickback and how to prevent it. This guide bar is designed for less kickback, but proper technique is still essential.

3. COMPATIBILITY

This UpStart Components 16-inch Single Rivet Chainsaw Guide Bar is designed as a direct replacement for the Skil 1604H Chainsaw. It is crucial to verify that your chainsaw's specifications match the guide bar's dimensions (length, pitch, gauge, drive links, sprocket nose tooth count) to ensure proper fit and safe operation.

Note: This is an UpStart Components Brand replacement part and is not an OEM (Original Equipment Manufacturer) product. All mentions of brand names or model descriptions are made strictly to illustrate compatibility.

4. SPECIFICATIONS

The following specifications apply to the UpStart Components 16-inch Single Rivet Chainsaw Guide Bar:

Feature	Specification
Guide Bar Length	16 inches
Pitch	3/8 inch
Gauge	0.050 inch
Drive Links (Chain)	56
Sprocket Nose Tooth Count	7
Bar Type	Single Rivet Sprocket Nose
Material	Durable, lightweight materials



Figure 2: Close-up view of the guide bar's mounting end, showing the slot for the chain tensioner and the mounting holes. A product identifier "AP16-56-507P" is visible on the bar surface.

5. SETUP & INSTALLATION

Replacing your chainsaw guide bar requires careful attention to detail. Always refer to your chainsaw's specific manual for detailed instructions, as procedures may vary slightly between models.

1. **Prepare Chainsaw:** Ensure the chainsaw is turned off, and the spark plug cap is disconnected or the battery is removed to prevent accidental startup. Engage the chain brake.
2. **Remove Side Cover:** Loosen the bar nuts that secure the clutch cover/side plate. Remove the side cover.
3. **Remove Old Bar and Chain:** Carefully remove the old chain from the sprocket and guide bar. Then, slide the old guide bar off the mounting studs.
4. **Clean Area:** Clean any sawdust, debris, or old oil from the clutch area, bar mounting studs, and chain tensioner mechanism.
5. **Install New Guide Bar:** Place the new UpStart Components guide bar onto the mounting studs. Ensure the chain tensioner pin aligns with the hole in the guide bar.
6. **Install Chain:** Drape the chain over the drive sprocket and guide it into the groove of the new guide bar. Ensure the cutting edges of the chain are facing the correct direction.
7. **Replace Side Cover:** Reinstall the side cover and hand-tighten the bar nuts. Do not fully tighten them yet.
8. **Adjust Chain Tension:** Using the chain tensioning screw, adjust the chain tension. The chain should be snug against the bottom of the guide bar, but still able to be pulled freely by hand. There should be no slack on the underside of the bar. Refer to your chainsaw manual for precise tensioning guidelines.
9. **Tighten Bar Nuts:** Once the chain tension is correct, fully tighten the bar nuts securely.
10. **Final Check:** Rotate the chain by hand to ensure it moves freely and smoothly around the guide bar. Reconnect the spark plug cap or insert the battery. Perform a brief test run at low speed to confirm proper operation before cutting.



Figure 3: Close-up view of the guide bar's tip, highlighting the single rivet sprocket nose. This design helps reduce kickback and ensures smooth chain movement.

6. OPERATION GUIDELINES

While the guide bar itself does not operate, its proper function is critical to chainsaw performance. Adhere to these guidelines for optimal use:

- **Maintain Chain Sharpness:** A sharp chain reduces strain on the guide bar and improves cutting efficiency.
- **Adequate Lubrication:** Ensure the chainsaw's automatic oiler is functioning correctly and that the bar and chain are continuously lubricated during operation. Check the oil reservoir frequently.
- **Monitor Chain Tension:** Chain tension can change during operation due to heat expansion. Periodically check and adjust chain tension as needed, especially during extended use.
- **Avoid Pinching:** Do not force the guide bar into cuts where it might get pinched. This can damage the bar and chain, and lead to kickback.
- **Clean Regularly:** Clear sawdust and debris from the guide bar groove and sprocket nose area to ensure smooth chain travel.

7. MAINTENANCE

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

- **Clean Guide Bar Groove:** After each use, remove the chain and clean the guide bar groove with a bar groove cleaner or a thin flat tool to remove packed sawdust and debris.
- **Inspect for Wear:** Check the guide bar rails for burrs, uneven wear, or spreading. File down any burrs with a flat file. If the rails are significantly worn or spread, the bar should be replaced.
- **Check Sprocket Nose:** Inspect the sprocket nose for wear or damage. Ensure it spins freely. If the sprocket is worn or seized, the guide bar should be replaced.
- **Flip Guide Bar:** To promote even wear, flip the guide bar periodically (e.g., every time you sharpen the chain or

replace it). This distributes wear across both edges of the bar.

- **Lubricate Sprocket Nose:** If your guide bar has a grease hole on the sprocket nose, lubricate it regularly with a grease gun designed for chainsaw guide bars.
- **Storage:** When not in use, clean the guide bar and store it in a dry place, preferably with a bar cover to protect it.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Chain derails frequently	Incorrect chain tension; Worn guide bar rails; Incorrect chain/bar combination.	Adjust chain tension; Inspect and replace guide bar if worn; Ensure chain and bar specifications match.
Chain binds or drags	Insufficient lubrication; Packed sawdust in bar groove; Worn guide bar rails; Dull chain.	Check oiler function and reservoir; Clean bar groove; Replace guide bar; Sharpen or replace chain.
Guide bar overheats	Lack of lubrication; Incorrect chain tension; Worn sprocket nose.	Ensure proper oil flow; Adjust chain tension; Inspect and lubricate/replace sprocket nose.
Uneven chain wear	Uneven guide bar wear; Improper chain sharpening.	Flip guide bar periodically; Ensure consistent chain sharpening angles.

9. WARRANTY & SUPPORT

This UpStart Components guide bar is a replacement part. Any warranties for this product are offered solely by UpStart Components. This product is not affiliated with any original equipment manufacturer (OEM) brands and is not covered under any warranties offered by the original manufacturers of the chainsaws it is compatible with.

For specific warranty details or support inquiries, please contact UpStart Components directly through their official channels. Refer to your purchase documentation for contact information.

Legal Disclaimer: This is an UpStart Components Brand replacement part, NOT an OEM product. All mentions of brand names or model descriptions are made strictly to illustrate compatibility. All brand names and logos are registered trademarks of their respective owners. This product is not affiliated with any brands and is not covered under any warranties offered by the original manufacturers. Any warranties for this product are offered solely by UpStart Components.

