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Homelite UP05583

Homelite/Ryobi Guide Bar Adjustment Screw UP05583 Instruction Manual

Model: UP05583

INTRODUCTION

This manual provides essential instructions for the proper installation, adjustment, and maintenance of the Homelite/Ryobi Guide Bar Adjustment Screw, model UP05583. This component is crucial for maintaining correct chain tension on compatible outdoor power tools, such as chainsaws, ensuring safe and efficient operation.

Please read this manual thoroughly before attempting any installation or adjustment procedures. Keep this manual for future reference.

SAFETY INFORMATION

Always prioritize safety when working with power tools. Failure to follow safety instructions can result in serious injury or damage to equipment.

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure the power tool is turned off and disconnected from its power source (e.g., spark plug wire removed, battery disconnected) before performing any maintenance or installation.
- Refer to your power tool's main instruction manual for specific safety guidelines related to its operation and maintenance.
- If you are unsure about any procedure, consult a qualified service technician.

INSTALLATION

The guide bar adjustment screw is used to adjust the tension of the saw chain on the guide bar. Proper installation is essential for correct chain tensioning.



Figure 1: Homelite/Ryobi Guide Bar Adjustment Screw (Model UP05583). This image displays the threaded screw with a flat, slotted head, designed for adjusting the guide bar on compatible outdoor power tools.

Installation Steps:

1. **Prepare the Tool:** Ensure the power tool (e.g., chainsaw) is turned off, the spark plug wire is disconnected (for gasoline models), or the battery is removed (for electric models). Place the tool on a stable, flat surface.
2. **Remove Chain Cover:** Loosen and remove the nuts or bolts securing the chain cover (side cover) to access the guide bar and chain. Carefully remove the chain cover.
3. **Locate Adjustment Mechanism:** Identify the existing guide bar adjustment mechanism. This typically involves a small hole or slot on the guide bar or tool body where the adjustment screw engages.
4. **Insert New Screw:** If replacing an old screw, remove it first. Carefully insert the new Homelite/Ryobi Guide Bar Adjustment Screw (UP05583) into its designated position. Ensure the threads align properly and do not cross-thread.
5. **Engage Guide Bar:** Position the guide bar so that the adjustment screw's tip engages with the corresponding hole or pin on the guide bar. This connection allows the screw to move the guide bar forward or backward for tensioning.
6. **Reinstall Chain Cover:** Once the screw is in place and engaged, carefully reinstall the chain cover. Do not fully tighten the cover nuts/bolts yet, as some slack is needed for initial chain tension adjustment.

ADJUSTMENT AND OPERATION

After installation, the guide bar adjustment screw is used to set the correct chain tension.

Chain Tension Adjustment:

1. **Loosen Bar Nuts:** Ensure the guide bar retaining nuts or bolts on the chain cover are slightly loose, allowing the guide bar to move freely.
2. **Adjust Tension:** Use a flat-head screwdriver to turn the Homelite/Ryobi Guide Bar Adjustment Screw (UP05583).
 - Turning the screw clockwise typically moves the guide bar forward, increasing chain tension.

- Turning the screw counter-clockwise typically moves the guide bar backward, decreasing chain tension.
3. **Check Tension:** The chain is properly tensioned when it is snug against the bottom of the guide bar, but can still be pulled around the guide bar by hand with moderate effort. There should be no slack on the underside of the guide bar, and the drive links should not come out of the guide bar groove.
 4. **Tighten Bar Nuts:** Once the correct tension is achieved, hold the tip of the guide bar up and firmly tighten the guide bar retaining nuts or bolts on the chain cover. Recheck chain tension after tightening to ensure it has not changed.
 5. **Final Check:** Before operating the tool, ensure all components are securely fastened and the chain moves freely without binding.

MAINTENANCE

Regular maintenance of the guide bar adjustment screw ensures its longevity and proper function.

- **Cleaning:** Periodically remove the chain cover and clean any sawdust, debris, or oil residue from around the adjustment screw and its housing. A stiff brush or compressed air can be used.
- **Lubrication:** Apply a small amount of light grease or chain oil to the threads of the adjustment screw to ensure smooth operation and prevent corrosion.
- **Inspection:** Regularly inspect the screw for signs of wear, damage, or stripped threads. If the screw is damaged, replace it immediately with a genuine Homelite/Ryobi replacement part (UP05583).
- **Storage:** When storing the power tool for extended periods, ensure the adjustment screw is clean and lightly lubricated.

TROUBLESHOOTING

If you encounter issues with chain tensioning, consider the following:

Problem	Possible Cause	Solution
Adjustment screw difficult to turn	Accumulated debris, corrosion, or damaged threads.	Clean the screw and housing. Apply lubricant. If threads are stripped or damaged, replace the screw (UP05583).
Chain tension does not hold	Guide bar nuts not tightened sufficiently, worn adjustment screw, or worn guide bar slot.	Ensure guide bar nuts are fully tightened. Inspect and replace the adjustment screw if worn. Check the guide bar for excessive wear.
Chain too loose or too tight after adjustment	Incorrect adjustment procedure, or guide bar not properly engaged.	Review the "Adjustment and Operation" section. Ensure the guide bar is correctly engaged with the adjustment screw.

SPECIFICATIONS

- **Part Number:** UP05583
- **Brand:** Homelite / Ryobi
- **Type:** Guide Bar Adjustment Screw
- **Material:** Metal (typically steel)
- **Compatibility:** Designed for specific Homelite and Ryobi outdoor power tools (refer to your tool's manual for exact compatibility).

SUPPORT AND WARRANTY

For further assistance, technical support, or warranty information regarding your Homelite or Ryobi product, please refer to the contact information provided in your original power tool's user manual or visit the official Homelite or Ryobi website. Always use genuine replacement parts to ensure compatibility and maintain product warranty.

