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Husqvarna H-30

Husqvarna Chainsaw Chain H-30 Instruction Manual

Model: H-30 | 18-Inch .050 Gauge .325 Pitch

1. INTRODUCTION

This manual provides essential information for the safe and effective use, installation, and maintenance of your Husqvarna H-30 chainsaw chain. The Husqvarna H-30 is an 18-inch, .050 gauge, .325 pitch chain designed for lightweight chainsaws. It features low kickback and low-vibration characteristics, making it suitable for arborists, commercial cutters, and occasional users in high-production environments. Proper understanding and adherence to these instructions will ensure optimal cutting performance and prolong the life of your chain.



Figure 1: Husqvarna H-30 Chainsaw Chain (18-inch)

2. SAFETY INFORMATION

Always prioritize safety when working with chainsaws and chainsaw chains. Failure to follow safety precautions can result in serious injury or death.

- **Read Your Chainsaw Manual:** Always consult your chainsaw's instruction manual for specific safety guidelines and chain installation procedures.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including a helmet with face shield, hearing protection, safety glasses, heavy-duty gloves, chainsaw protective trousers or chaps, and steel-toed boots.
- **Kickback Awareness:** This chain is designed for low kickback, but kickback can still occur. Be aware of the kickback danger zone at the tip of the guide bar. Maintain a firm grip with both hands on the chainsaw.
- **Work Area:** Ensure your work area is clear of bystanders, obstacles, and potential tripping hazards.
- **Chain Condition:** Never operate a chainsaw with a dull, damaged, or improperly tensioned chain. Inspect the chain before each use.
- **Fuel Handling:** Handle fuel safely and away from ignition sources.

3. SETUP AND INSTALLATION

Proper installation is crucial for safe operation and optimal cutting performance. Refer to your chainsaw's specific instructions for detailed steps.

1. **Ensure Compatibility:** Verify that the Husqvarna H-30 chain (18-inch length, .050 gauge, .325 pitch, 72 drive links) matches the specifications required by your chainsaw and guide bar.
2. **Safety First:** Before handling the chain or guide bar, ensure the chainsaw engine is off, the spark plug cap is disconnected (for gasoline models), or the battery is removed (for electric models). Engage the chain brake.
3. **Remove Old Chain:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old chain and guide bar.
4. **Clean Components:** Clean any sawdust or debris from the guide bar groove, sprocket, and clutch area.
5. **Install New Chain:** Place the new Husqvarna H-30 chain onto the sprocket, ensuring the cutting edges face the correct direction (usually forward on the top of the bar). Fit the chain into the guide bar groove.
6. **Reassemble:** Reinstall the guide bar and clutch cover. Hand-tighten the bar nuts.
7. **Adjust Chain Tension:** Adjust the chain tension according to your chainsaw's manual. The chain should be snug against the guide bar but still able to be pulled freely by hand. It should not sag underneath the bar.
8. **Final Tightening:** Once tension is correct, fully tighten the bar nuts.



Figure 2: Illustrative diagram of chain installation (generic representation)

4. OPERATING INSTRUCTIONS

Always operate your chainsaw responsibly and safely. The Husqvarna H-30 chain is designed for efficient cutting when used correctly.

- **Pre-Operation Check:** Before starting, check chain tension, oil level, and ensure all components are secure.
- **Proper Grip:** Maintain a firm grip with both hands on the chainsaw handles.
- **Stance:** Stand with your feet apart for good balance.
- **Cutting Technique:** Let the chain do the work. Do not force the saw. Apply steady, even pressure. Avoid cutting with the tip of the guide bar to minimize kickback risk.
- **Chain Lubrication:** Ensure the chainsaw's automatic oiler is functioning and providing adequate lubrication to the chain and guide bar. Insufficient lubrication will cause premature wear and overheating.
- **Monitor Chain Condition:** If the chain starts to cut slowly, produce fine dust instead of chips, or pull to one side, it likely needs sharpening or inspection.

5. MAINTENANCE

Regular maintenance is essential for the longevity and performance of your Husqvarna H-30 chain.

5.1 Sharpening

- **Frequency:** Sharpen the chain regularly. A sharp chain cuts efficiently and safely.
- **Tools:** Use a round file of the correct diameter for your chain's cutters (typically 5/32" or 4.0mm for .325 pitch chains, but verify with your chainsaw manual). A flat file and depth gauge are also needed for raker adjustment.
- **Technique:** File each cutter at the correct angle (usually 25-30 degrees) with consistent strokes. Maintain the original angles.
- **Depth Gauges (Rakers):** Check and file the depth gauges as needed to maintain proper cutting depth.

5.2 Cleaning and Lubrication

- **After Use:** Clean the chain and guide bar after each use to remove sap, sawdust, and debris.
- **Storage Lubrication:** For extended storage, it is recommended to soak the chain overnight in a good quality gear oil (e.g., 90-weight) before installation or storage. This helps prevent rust and premature wear.
- **Guide Bar Maintenance:** Flip the guide bar periodically to ensure even wear. Clean the guide bar groove and oil holes regularly.

6. TROUBLESHOOTING

Here are common issues and their potential solutions:

Problem	Possible Cause	Solution
Chain cuts slowly or produces dust	Dull chain, incorrect sharpening angle, worn depth gauges.	Sharpen the chain. Check and adjust sharpening angles and depth gauges.
Chain pulls to one side	Cutters on one side are duller or shorter than the other, uneven depth gauges.	Resharpener all cutters evenly. Ensure depth gauges are uniform.
Chain smokes or overheats	Insufficient lubrication, incorrect chain tension (too tight), dull chain.	Check chain oiler, adjust chain tension, sharpen chain.
Chain jumps off guide bar	Incorrect chain tension (too loose), worn guide bar, worn sprocket.	Adjust chain tension. Inspect guide bar and sprocket for wear and replace if necessary.

7. SPECIFICATIONS

Key specifications for the Husqvarna H-30 Chainsaw Chain:

- **Model Number:** H-30
- **Chain Length:** 18 Inches
- **Gauge:** .050 Inches
- **Pitch:** .325 Inches
- **Drive Link Count:** 72
- **Chain Type:** Low Profile, Low Kickback, Low-Vibration
- **Item Weight:** 9.6 ounces

- **Product Dimensions:** 18 x 0.25 x 0.5 inches
- **Manufacturer:** Husqvarna

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Husqvarna H-30 chainsaw chain, please refer to the documentation provided with your purchase or contact Husqvarna directly. You can also visit the official Husqvarna store for additional product information and support:

[Visit the Husqvarna Store on Amazon](#)