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Stihl 71PM3-64

STIHL Oilomatic Saw Chain Instruction Manual

Model: 71PM3-64 | Part No: 3670-005-0064

1. Introduction

This manual provides essential information for the proper handling, installation, maintenance, and care of your STIHL Oilomatic 71PM3-64 12" Saw Chain. Adhering to these instructions will ensure optimal performance and extend the lifespan of your saw chain. For detailed operation of your chainsaw, always refer to your chainsaw's specific owner's manual.



Figure 1.1: STIHL Oilomatic 71PM3-64 12" Saw Chain in packaging.

2. Safety Information

WARNING: Chainsaws are dangerous tools. Always read and understand the safety precautions in your chainsaw's owner's manual before operating. Failure to follow safety instructions can result in serious injury or death.

- Always wear appropriate Personal Protective Equipment (PPE), including head protection, eye protection, hearing protection, gloves, and protective legwear.
- Ensure the saw chain is correctly installed and tensioned before each use.
- Never operate a chainsaw with a dull, damaged, or improperly installed chain.
- Keep hands and body clear of the saw chain when the engine is running.

3. Setup and Installation

Proper installation of the saw chain is crucial for safe and efficient operation. Refer to your chainsaw's owner's manual for specific instructions on removing the old chain and installing a new one, as procedures may vary by model.

3.1. Pre-Installation Check

- Inspect the new chain for any manufacturing defects or damage.
- Ensure the guide bar groove is clean and free of debris.
- Verify that the drive sprocket is not excessively worn.



Figure 3.1: New STIHL Oilomatic Saw Chain ready for installation.

3.2. Chain Installation Steps (General)

1. Ensure the chainsaw is turned off and the spark plug cap is removed to prevent accidental starting.
2. Loosen the bar nuts and remove the clutch cover.
3. Carefully remove the old chain and guide bar.
4. Place the new STIHL Oilomatic chain onto the drive sprocket, ensuring the cutting edges face the correct direction (usually forward on the top of the guide bar).

5. Fit the chain into the guide bar groove and then slide the guide bar onto the bar studs.
6. Replace the clutch cover and hand-tighten the bar nuts.
7. 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. It should not sag underneath the bar.
8. Tighten the bar nuts securely.

4. Operating Considerations

While this manual focuses on the chain, proper operation of the chainsaw directly impacts chain performance and longevity.

4.1. Lubrication

The STIHL Oilomatic chain is designed for optimal lubrication. Ensure your chainsaw's oil tank is filled with appropriate bar and chain oil before each use. The chain should always be adequately lubricated during operation to reduce friction, heat, and wear.

4.2. Cutting Technique

Avoid forcing the chain through wood. Let the chain do the work. Applying excessive pressure can lead to premature wear and dulling. Avoid contact with dirt, rocks, or metal, as these will quickly dull or damage the chain.

5. Maintenance

Regular maintenance is essential for the performance and safety of your saw chain.

5.1. Sharpening

The STIHL Oilomatic chain can be resharpened multiple times. A sharp chain cuts efficiently and safely. A dull chain will produce fine sawdust instead of chips, require more force, and can cause the saw to jump or bind. Use a round file of the correct diameter (refer to your chainsaw manual or chain specifications) and a filing guide for consistent results.



Figure 5.1: Close-up of sharp chain teeth.

5.2. Cleaning

After each use, clean the chain to remove sawdust, resin, and debris. A stiff brush and a suitable cleaning agent can be used. Ensure the guide bar groove and oil holes are also clear.

5.3. Inspection for Wear and Damage

Regularly inspect the entire chain for:

- **Dullness:** Check the sharpness of the cutting teeth.
- **Damage:** Look for bent, cracked, or broken links, rivets, or cutting teeth.
- **Stretch:** An overly stretched chain may not tension properly and can jump off the bar.

Replace the chain if it shows significant wear, damage, or cannot be properly sharpened or tensioned.

6. Troubleshooting

Problem	Possible Cause	Solution
Chain not cutting efficiently / producing sawdust	Dull cutting teeth	Sharpen the chain.
Chain smoking / overheating	Insufficient lubrication, dull chain, improper tension	Check oil level, sharpen chain, adjust tension.
Chain coming off guide bar	Improper tension, worn guide bar/sprocket, stretched chain	Adjust tension, inspect guide bar/sprocket for wear, replace chain if stretched.
Chain binding in cut	Dull chain, improper cutting technique	Sharpen chain, ensure proper cutting technique.

7. Specifications

Feature	Specification
Brand	Stihl
Model Number	71PM3-64
Part Number	3670-005-0064
Chain Length	12 Inches
Pitch	1/4" (0.25 Inches)
Gauge	.043" (0.04 ga)
Drive Links	64

Feature	Specification
Material	Steel
UPC	795711886110

8. Warranty and Support

For information regarding the warranty of your STIHL Oilomatic Saw Chain, please refer to the warranty documentation provided with your original purchase or visit the official STIHL website. For technical support or further assistance, contact STIHL customer service or an authorized STIHL dealer.
Always purchase genuine STIHL replacement parts and accessories to ensure compatibility and maintain product performance.

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