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› SALEM MASTER 20 Inch Chainsaw Chain Instruction Manual

SALEM MASTER 20-Inch, .058" Gauge, .325" Pitch, 76 Drive Links Chainsaw Chain

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Model: 20-Inch, .058" Gauge, .325" Pitch, 76 Drive Links Chainsaw Chain

Brand: SALEM MASTER

INTRODUCTION

This instruction manual provides essential information for the proper use, installation, and maintenance of your SALEM MASTER 20-inch chainsaw chain. Adhering to these guidelines will ensure optimal performance, extend the lifespan of your chain, and promote safe operation. This chain is designed for gas-powered chainsaws and features a semi-chisel cutter type, offering a balance of cutting speed and edge retention.



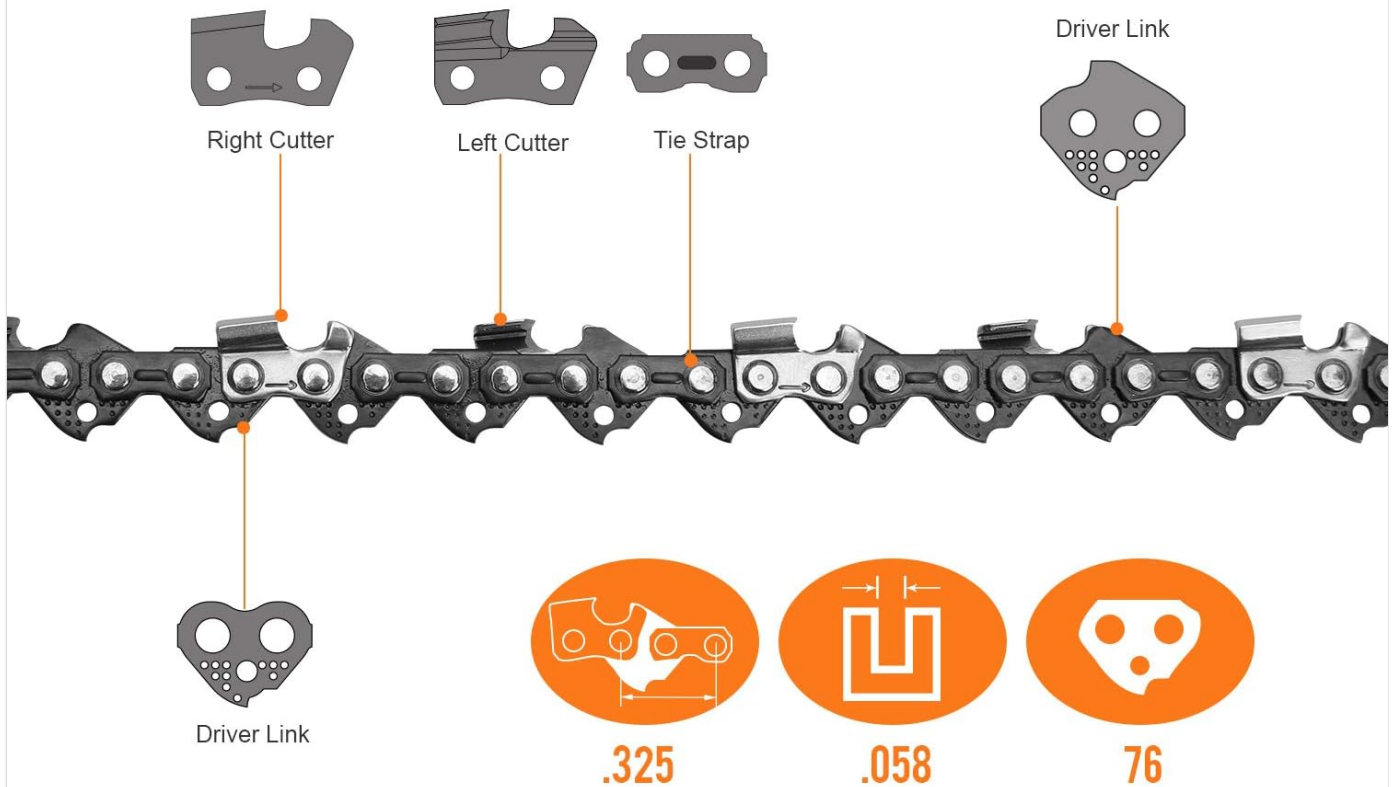
Image: The SALEM MASTER 20-inch chainsaw chain, laid out to show its full length and design. This chain is engineered for durability and efficient cutting.

PRODUCT SPECIFICATIONS

Understanding the specifications of your chainsaw chain is crucial for compatibility and performance.

- **Length:** 20 Inches
- **Gauge:** .058" (1.47 mm)
- **Pitch:** .325" (8.25 mm)
- **Drive Links:** 76
- **Cutter Type:** Semi-Chisel
- **Material:** Germany imported high-grade steel
- **Surface Treatment:** Premium industrial hard chrome plating for wear resistance
- **Rivet Treatment:** Heat treated and quenched for stronger connections
- **Features:** Low kickback design, anti-rust oil coating, 20% or more vibration reduction

SAW CHAIN: 20"



- Pitch = half the distance between 3 rivets of the chain
- Drive Links= chain link quantity

Image: A detailed diagram illustrating the components of a chainsaw chain, including right cutter, left cutter, tie strap, and driver link. Key specifications such as pitch (.325), gauge (.058), and drive links (76) are highlighted, along with definitions for pitch and drive links.

COMPATIBILITY

This SALEM MASTER 20-inch chainsaw chain is compatible with various chainsaw models. Always verify your chainsaw's bar length, gauge, pitch, and drive link count to ensure proper fitment. This chain is specifically designed to fit the following SALEM MASTER chainsaw models:

- SALEM MASTER 6220G 20 inch chainsaw
- SALEM MASTER 6220H 20 inch chainsaw
- SALEM MASTER 5820F 20 inch chainsaw
- SALEM MASTER 6220F 20 inch chainsaw

If your chainsaw model is not listed, please compare its specifications (bar length, gauge, pitch, and drive links) with those of this chain to confirm compatibility. The same chainsaw model can sometimes be equipped with different bar lengths, so physical verification is recommended.

USED FOR SALEM MASTER PRO CHAINSAW



▶ 20" 6220H

▶ 20" 6220G

Image: The SALEM MASTER 20-inch chainsaw chain shown installed on a SALEM MASTER PRO chainsaw, specifically compatible with 20" 6220H and 20" 6220G models. This illustrates the chain's fit and appearance on a compatible saw.



Image: The SALEM MASTER 20-inch chainsaw chain shown installed on another SALEM MASTER chainsaw, compatible with 20" 6220F and 20" 5820F models. This image further demonstrates the chain's compatibility across different SALEM MASTER chainsaw series.

INSTALLATION INSTRUCTIONS

Always refer to your chainsaw's owner's manual for specific chain replacement procedures. The following are general steps for installing a new chainsaw chain:

1. **Safety First:** Ensure the chainsaw is turned off, the spark plug cap is disconnected (for gas models), or the battery is removed (for electric/battery models) to prevent accidental starting. Wear appropriate safety gloves.
2. **Remove Old Chain:** Loosen the bar nuts that secure the clutch cover. Remove the clutch cover and carefully lift the guide bar and old chain off the saw.
3. **Clean:** Clean any sawdust, debris, or old oil from the guide bar groove, sprocket, and clutch area.
4. **Install New Chain:** Place the new SALEM MASTER chain onto the sprocket, ensuring the cutting edges are facing the correct direction (usually forward on the top of the bar).
5. **Position Guide Bar:** Fit the chain into the groove of the guide bar. Slide the guide bar onto the mounting studs,

ensuring the chain is properly seated around the drive sprocket.

6. **Replace Clutch Cover:** Reinstall the clutch cover and hand-tighten the bar nuts.
7. **Adjust Chain Tension:** Adjust the chain tension screw until the chain is snug but can still be pulled freely around the guide bar by hand. There should be no sag on the underside of the bar, but it should not be overly tight. A common test is to lift the chain at the center of the top of the bar; there should be a small gap (e.g., 1/8 to 1/4 inch) between the chain and the bar.
8. **Final Tightening:** While holding the tip of the guide bar up, fully tighten the bar nuts.
9. **Lubrication Check:** Ensure the chainsaw's bar oil reservoir is filled.

Note: A properly tensioned chain is critical for safe and efficient operation. An overly loose chain can derail, and an overly tight chain can cause premature wear to the chain, bar, and sprocket, and may lead to overheating.

OPERATING GUIDELINES

Once the chain is installed and properly tensioned, follow these general operating guidelines for your chainsaw:

- **Pre-Operation Check:** Before each use, inspect the chain for sharpness, proper tension, and any damage. Check the bar oil level.
- **Lubrication:** Ensure the chainsaw's automatic oiler is functioning correctly. Adequate lubrication is vital for chain and bar longevity.
- **Cutting Technique:** Allow the chain to do the work. Do not force the saw through wood. Maintain a firm grip with both hands and a balanced stance.
- **Avoid Dirt and Debris:** The semi-chisel design of this chain is more tolerant of dirt, but prolonged contact with soil, rocks, or metal will dull the chain quickly.
- **Kickback Awareness:** Be aware of potential kickback. Avoid cutting with the tip of the guide bar.
- **Chain Brake:** Always engage the chain brake when moving between cuts or when the saw is idling.

MAINTENANCE

Regular maintenance is essential to keep your SALEM MASTER chainsaw chain performing optimally and safely.

- **Sharpening:**

The semi-chisel cutters stay sharp longer than full-chisel chains. Sharpen the chain regularly using a round file of the correct diameter for a .325" pitch chain (typically 5/32" or 4.0 mm). Maintain the correct filing angles as specified by your chainsaw manufacturer. A sharp chain cuts efficiently and reduces strain on the saw and operator.

- **Cleaning:**

After each use, clean the chain to remove sap, resin, and sawdust. This prevents buildup that can hinder performance and cause rust. The chain is coated with anti-rust oil, but cleaning enhances this protection.

- **Lubrication:**

Ensure continuous and adequate bar oil supply during operation. Proper lubrication reduces friction and heat, preventing premature wear of the chain and guide bar.

- **Inspection:**

Regularly inspect the chain for damaged or worn cutters, cracked drive links, or stretched rivets. The heat-treated and quenched rivets provide strong connections, but wear can still occur over time. Replace the chain if significant damage or wear is observed.

- **Storage:**

When storing the chain, especially for extended periods, ensure it is clean and lightly oiled to prevent rust. Store in a dry place.



Image: A close-up view of the SALEM MASTER chainsaw chain engaged with a chainsaw guide bar, highlighting the semi-chisel cutters and the robust construction. This view is useful for understanding the chain's interaction with the bar and for identifying areas for maintenance and inspection.

TROUBLESHOOTING

Here are some common issues and their potential solutions related to your chainsaw chain:

Problem	Possible Cause	Solution
Chain cuts crooked or pulls to one side	Unevenly sharpened cutters, damaged cutter, worn guide bar.	Sharpen all cutters evenly. Inspect for damaged cutters and replace chain if necessary. Check guide bar for wear and flip or replace if needed.

Problem	Possible Cause	Solution
Chain dulls quickly	Cutting into dirt, rocks, or metal; improper sharpening angle; chain not lubricated.	Avoid contact with abrasive materials. Ensure correct sharpening angles. Verify bar oiler is functioning and reservoir is full.
Excessive vibration or rattling	Loose chain tension, worn sprocket, damaged chain.	Adjust chain tension. Inspect drive sprocket for wear and replace if necessary. Inspect chain for damaged links or cutters.
Chain binds or overheats	Insufficient lubrication, overly tight chain tension, worn guide bar groove.	Check bar oiler and reservoir. Adjust chain tension to recommended specifications. Inspect guide bar groove for wear or burrs.

SAFETY PRECAUTIONS

Operating a chainsaw is inherently dangerous. Always prioritize safety and follow all safety guidelines provided by your chainsaw manufacturer. This chain is designed with low kickback features, but proper handling is still crucial.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including a hard hat, eye protection, hearing protection, gloves, chainsaw chaps, and steel-toed boots.
- **Read Manuals:** Read and understand both this chain manual and your chainsaw's owner's manual before operation.
- **Work Area:** Ensure your work area is clear of obstacles and bystanders.
- **Firm Grip:** Always maintain a firm grip on the chainsaw with both hands.
- **Stable Stance:** Maintain a balanced and stable stance while operating the chainsaw.
- **Kickback Zone:** Be aware of the kickback danger zone at the tip of the guide bar. Avoid cutting with this area.
- **Chain Brake:** Understand and properly use the chain brake.
- **Never Operate Alone:** Avoid operating a chainsaw alone, especially in remote areas.
- **Fatigue:** Do not operate a chainsaw when fatigued or under the influence of alcohol or drugs.

WARRANTY AND SUPPORT

For information regarding warranty coverage for your SALEM MASTER chainsaw chain, please refer to the documentation provided with your purchase or contact SALEM MASTER customer support directly. Keep your proof of purchase for any warranty claims.

If you have any questions, concerns, or require technical assistance regarding this product, please contact SALEM MASTER customer service through their official channels. You can often find contact information on the product packaging or the brand's official website.