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SALEM MASTER 5518S

SALEM MASTER 20-Inch Gas Chainsaw 5518S User Manual

Model: 5518S
Brand: SALEM MASTER

1. Product Overview

The SALEM MASTER 5518S is a powerful 20-inch gas chainsaw designed for efficient tree felling and wood cutting. It features a 54.6CC engine, delivering steady power to the low-kickback chain. This model is engineered for balanced, maneuverable, and comfortable operation, ensuring user safety and high performance for various tasks around your property or on a job site.



Figure 1: The SALEM MASTER 5518S Gas Chainsaw, showcasing its 20-inch bar and chain, and ergonomic design.



Figure 2: Detailed product overview of the SALEM MASTER 5518S chainsaw, highlighting key components such as the chain bar, front handle, chain brake, starter handle, air filter cover, choke knob, engine on/off switch, throttle trigger, throttle lockout, fuel tank, aluminum starter cover, saw chain, and chain oil tank.

2. Safety Information

Always prioritize safety when operating the chainsaw. Read and understand all safety warnings and instructions before use to prevent serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including a helmet with face shield, hearing protection, safety glasses, heavy-duty gloves, and chainsaw protective pants or chaps.
- **Work Area:** Ensure the work area is clear of other people, pets, and obstacles. Maintain a firm footing and balance.
- **Kickback Prevention:** Be aware of kickback, which can occur when the moving chain contacts an object at the upper part of the guide bar tip. Always hold the chainsaw firmly with both hands.
- **Chain Brake:** The chainsaw is equipped with a quick stop chain brake for enhanced safety. Ensure it is functioning correctly before each use.
- **Safety Switch:** A safety switch is provided to protect against accidental starts. Always engage the safety switch when the chainsaw is not in use or during maintenance.

- **Fuel Handling:** Handle fuel with extreme care. Mix fuel and oil in a well-ventilated area away from ignition sources.

3. Setup and Assembly

Proper assembly is crucial for safe and efficient operation. Follow these steps carefully:

1. **Install Bar and Chain:**
    - Install the bar and put the chain into the groove.
    - Steer the adjuster pin to the bar hole.
    - Finger tighten bar nuts.
2. **Tension the Saw Chain:**
    - Tighten the saw chain clockwise.
    - Test the saw chain tension.
    - Tighten bar nuts with tools.
3. **Fuel Mixture:** Prepare the correct fuel-to-oil mixture as specified in the separate fuel can provided. Ensure the mixture is accurate for optimal engine performance and longevity.
4. **Chain Oil:** Fill the chain oil tank with appropriate bar and chain oil. The automatic oil supply system requires a steady supply for effective use and to extend the life of the chainsaw.



Figure 3: Visual guide for installing the guide bar and saw chain, including steps for tensioning and securing the components.

4. Operating Instructions

Follow these steps for safe and effective operation of your chainsaw.

4.1 Starting a Cold Engine

1. Push the brake (click).
2. Open the engine (up) / pull the choke out.
3. Pull the starter handle (max 6 times).
4. Push the choke back fully.
5. Pull the starter until the engine starts.
6. Pull the brake forward, hold the throttle trigger.



Figure 4: Step-by-step visual instructions for starting the chainsaw when the engine is cold, detailing the use of the brake, choke, and starter handle.

4.2 Cutting Techniques

- Always ensure the chain is sharp for efficient and safe cutting.
- Maintain a firm grip on both handles.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- When cutting, let the saw do the work; do not force it.
- Be aware of falling branches and logs. Plan your cuts to ensure a safe felling direction.



Figure 5: The SALEM MASTER 5518S chainsaw being used to cut wood, demonstrating its cutting capability.

4.3 Stopping the Engine

To stop the chainsaw, simply engage the kill switch. Ensure the chain has come to a complete stop before setting the saw down.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your chainsaw.

- **Automatic Oiler:** Verify the automatic oil supply system is delivering a steady supply of bar and chain oil. Keep the oil tank filled.
- **Chain Sharpening:** Regularly sharpen the saw chain to maintain cutting efficiency and reduce strain on the engine. A toolkit is provided for adjustments and chain changes.
- **Air Filter:** Clean or replace the air filter periodically to ensure proper engine performance. The air filter system is tool-free for easy access.
- **Spark Plug:** Inspect and clean the spark plug as needed. Replace if worn or fouled.

- **General Cleaning:** Keep the chainsaw clean from sawdust and debris, especially around the engine cooling fins and air intake.



Figure 6: Key features of the chainsaw including the rubber handle, excellent air filter system, front hand guard, guide bar nut chain tensioning, and oiling system, all contributing to ease of maintenance and operation.

6. Troubleshooting

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Engine won't start	Incorrect starting procedure, no fuel, fouled spark plug, clogged fuel filter.	Follow cold start procedure (Section 4.1). Check fuel level and mixture. Inspect/clean/replace spark plug. Check fuel filter.
Chain not cutting efficiently	Dull chain, incorrect chain tension, insufficient chain oil.	Sharpen or replace chain. Adjust chain tension (Section 3). Refill chain oil tank.
Excessive vibration	Loose components, damaged chain or bar.	Check all nuts and bolts for tightness. Inspect chain and guide bar for damage and replace if necessary.

7. Specifications

Detailed technical specifications for the SALEM MASTER 5518S Gas Chainsaw:

- **Engine Displacement:** 54.6CC

- **Bar Length:** 20-inch
- **Horsepower:** 2.95 hp
- **Max Speed:** 9000 rpm
- **Power Source:** Gas Powered
- **Item Weight:** 19.43 pounds
- **Product Dimensions:** 20 x 10 x 10 inches (L x W x H)
- **Model Number:** 5518S
- **UPC:** 701727927686



Figure 7: Diagram illustrating the key dimensions of the SALEM MASTER 5518S chainsaw, including the 20-inch guide bar length and overall length and height.

8. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official SALEM MASTER

website. For technical support or service inquiries, please contact SALEM MASTER customer service.

Contact Information: Please refer to the contact details provided in your product packaging or on the official SALEM MASTER website.

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