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› SALEM MASTER 62CC 2-Stroke Gasoline Chainsaw 20-Inch User Manual

SALEM MASTER 20IN-6220G

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MODEL: 20IN-6220G

1. INTRODUCTION

Thank you for choosing the SALEM MASTER 62CC 2-Stroke Gasoline Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your chainsaw. Please read this manual thoroughly before operating the chainsaw and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and extend the life of your tool.

2. SAFETY INFORMATION

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize safety to prevent serious injury or death. This section outlines critical safety guidelines. Refer to the complete safety instructions provided in your product packaging for detailed information.

2.1 Personal Protective Equipment (PPE)

- **Head Protection:** Wear a safety helmet.
- **Eye Protection:** Wear safety glasses or a face shield.
- **Hearing Protection:** Use earplugs or earmuffs.
- **Hand Protection:** Wear heavy-duty work gloves.
- **Leg Protection:** Wear chainsaw protective chaps.
- **Foot Protection:** Wear steel-toed safety boots.

2.2 General Safety Rules

- Always operate the chainsaw with both hands.
- Ensure a clear work area, free from obstacles and bystanders.

- Handle fuel with extreme care. Mix fuel in a well-ventilated area, away from ignition sources.
- Never refuel a hot engine. Allow the chainsaw to cool down before adding fuel.
- Engage the chain brake when starting the chainsaw and when moving between cuts.
- Be aware of kickback and how to avoid it.
- Do not operate the chainsaw when fatigued or under the influence of alcohol or medication.
- Regularly inspect the chainsaw for damage or loose parts before each use.

3. PRODUCT OVERVIEW

The SALEM MASTER 62CC 2-Stroke Gasoline Chainsaw is designed for efficient wood cutting and tree felling. It features a powerful engine, a 20-inch guide bar, and an automatic oiling system for consistent performance.

3.1 Key Components

INSTALLATION STEPS



Figure 1: Chainsaw Components Diagram. This image illustrates the main parts of the chainsaw, including the front guard, starter knob, non-slip handle, air cleaner, choke knob, oil switch, trigger lockout, fuel tank, self-locking mechanism, throttle lever, and rear handle.

3.2 Product Features

- **High Performance:** 62cc 3.4hp engine delivers consistent power to the 20-inch bar and low-kickback chain.
- **Auto Oiler:** Automatic oil supply system ensures continuous lubrication of the bar and chain.
- **Durable Construction:** Equipped with a high-quality chain and high-hardness bar for extended life.
- **Ergonomic Design:** Features a comfortable, non-slip, and shock-absorbing handle for reduced fatigue during prolonged use.



62CC

Engine

20"

Guide Bar

3.4HP

Horsepower

2.5kw

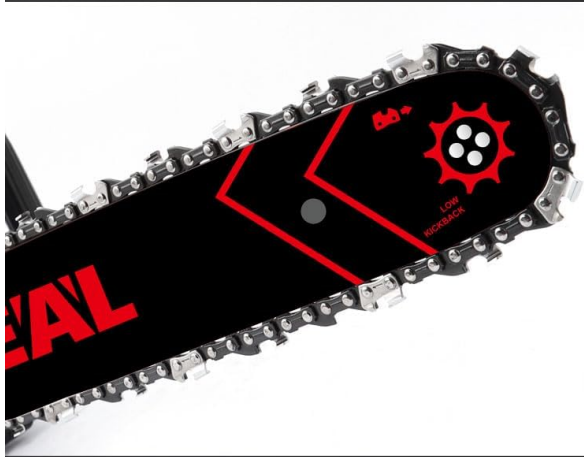
Output Power

**8500
rpm**

Idling Speed

Figure 2: Key Product Specifications. This image highlights the engine size (62CC), guide bar length (20"), horsepower (3.4HP), output power (2.5kW), and idling speed (8500 rpm).

POWERFUL ENGINE EASY TO START



Premium Chain & Guide Bar



Easily Start Switch



Quick Starting Handle



Safety Variable Trigger

Figure 3: Engine and Chain Features. This image details the premium chain and guide bar, the easily accessible start switch, and the quick starting handle and safety variable trigger.

4. ASSEMBLY AND SETUP

Before operating the chainsaw, proper assembly and preparation are crucial for safety and performance.

4.1 Assembling the Guide Bar and Chain

1. **Open the Side Cover:** Loosen the nuts and remove the side cover to access the sprocket and guide bar mounting area.
2. **Install the Guide Plate:** Place the guide plate onto the studs.
3. **Install the Saw Chain:** Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges are facing the correct direction. Pay attention to the direction of the knives.
4. **Close the Side Cover:** Reattach the side cover and hand-tighten the nuts. Adjust the tightness of the chain saw, which should be about 0.4-0.6 inches of play when pulled from the center of the guide bar.
5. **Locking Side Cover:** Securely tighten the side cover nuts.

6. **Final Check:** Ensure the chain moves freely and is properly tensioned. The installation is complete.



Figure 4: Chainsaw Assembly Steps. This image provides a visual guide for installing the guide bar and chain, from opening the side cover to final tensioning.

4.2 Fuel and Chain Oil Preparation

- **Fuel Mixture:** This chainsaw requires a 2-stroke fuel mixture. Mix unleaded gasoline with high-quality 2-stroke engine oil at a ratio of 50:1 (50 parts gasoline to 1 part oil). Use a dedicated fuel mixing container.
- **Chain Oil:** Fill the chain oil tank with appropriate bar and chain lubricant. Do not use waste oil. The automatic oiler system requires a constant supply of chain oil.



Figure 5: Chainsaw Accessories. This image displays the tools and containers included for assembly and maintenance, such as wrenches, screwdriver, file, and fuel/oil mixing bottle.

5. OPERATION

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

5.1 Starting the Chainsaw

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake by pushing the front hand guard forward.
3. Set the choke knob to the 'Full Choke' position (if cold start).
4. Press the primer bulb several times until fuel is visible.
5. Pull the starter knob firmly and steadily until the engine fires (usually 1-3 pulls).
6. Once the engine fires, move the choke knob to the 'Half Choke' or 'Run' position.
7. Pull the starter knob again until the engine starts and runs smoothly.
8. Disengage the chain brake by pulling the front hand guard back towards the handle.
9. Allow the engine to warm up for a few moments before beginning work.

5.2 Cutting Techniques

- **Basic Cutting:** Maintain a firm grip with both hands. Keep the chainsaw balanced and stable.
- **Limbing:** Cut small branches from a tree. Always work from the bottom up and ensure the branch will not spring back.
- **Felling Small Trees:** For larger trees, professional assistance is recommended. For small trees, plan your escape route, make a directional notch, and then a felling cut.
- Always be aware of the chain's position and potential kickback zones.

6. MAINTENANCE

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

6.1 Air Filter Cleaning

- Clean the air filter every 10 hours of operation or more frequently in dusty conditions.
- Remove the air filter cover and carefully take out the filter element.
- Clean the filter with warm, soapy water, or compressed air. Ensure it is completely dry before reinstallation.

6.2 Chain Sharpening and Tensioning

- A sharp chain is essential for efficient cutting and safety. Sharpen the chain regularly using a round file of the correct diameter.
- Check chain tension frequently. The chain should be snug against the guide bar but still able to be pulled around by hand.

6.3 Guide Bar Maintenance

- Clean the guide bar groove to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.

6.4 Spark Plug Inspection

- Inspect the spark plug for wear and carbon buildup. Clean or replace as necessary.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your chainsaw.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, flooded engine.	Check fuel level, adjust choke, clean/replace spark plug, clear engine by pulling starter cord with choke off.

Problem	Possible Cause	Solution
Chainsaw lacks power	Dull chain, incorrect chain tension, dirty air filter, improper fuel mixture.	Sharpen chain, adjust tension, clean air filter, ensure correct 50:1 fuel mix.
Chain does not move	Chain brake engaged, incorrect chain tension, damaged clutch.	Disengage chain brake, adjust chain tension, inspect clutch for damage.
Excessive vibration	Loose components, damaged chain/guide bar.	Check all fasteners, inspect chain and guide bar for damage.

For issues not covered here, or if problems persist, contact customer support.

8. SPECIFICATIONS

- **Brand:** SALEM MASTER
- **Model:** 20IN-6220G
- **Power Source:** Gas Powered
- **Engine Displacement:** 62CC
- **Horsepower:** 3.4 HP
- **Guide Bar Length:** 20 inches
- **Item Weight:** Approximately 19.21 pounds (8.73 Kilograms)
- **Product Dimensions:** 20"L x 10"W x 12"H
- **Fuel Mixture Ratio:** 50:1 (Gasoline:2-Stroke Oil)
- **UPC:** 810147641192

9. WARRANTY AND SUPPORT

SALEM MASTER is committed to providing high-quality products. For warranty information and customer support, please refer to the documentation included with your purchase. Note that Amazon's return policy may not cover gasoline-related products. For any questions or assistance, please contact SALEM MASTER directly via Amazon Email or their official website.