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Stihl MS 194 T

STIHL MS 194 T Chainsaw User Manual

Model: MS 194 T (11372000325-30)
Brand: Stihl

Introduction

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your STIHL MS 194 T Chainsaw. Designed as a universal tree care saw, this model combines an economical and powerful 2-mix motor with a compact and lightweight design, making it suitable for various cutting tasks. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.

Safety Instructions

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize safety to prevent serious injury or death.

Personal Protective Equipment (PPE)

- **Head Protection:** Wear a safety helmet with face shield and hearing protection.
- **Eye Protection:** Always wear safety glasses or goggles under the face shield.
- **Hearing Protection:** Use earplugs or earmuffs to protect against noise-induced hearing loss.
- **Hand Protection:** Wear sturdy work gloves, preferably with chainsaw protection.
- **Leg Protection:** Wear chainsaw protective trousers or chaps.
- **Foot Protection:** Wear safety boots with steel toe caps and non-slip soles.

General Safety Rules

- Never operate the chainsaw when fatigued, ill, or under the influence of alcohol or drugs.
- Keep children, bystanders, and animals at a safe distance from the work area.
- Inspect the chainsaw before each use for loose parts, damage, or wear.
- Ensure the chain brake is functional.
- Fuel the chainsaw in a well-ventilated area, away from ignition sources.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and how to avoid it.
- Do not operate the chainsaw in wet conditions or in the rain.
- Always turn off the engine before making adjustments, refueling, or clearing debris.

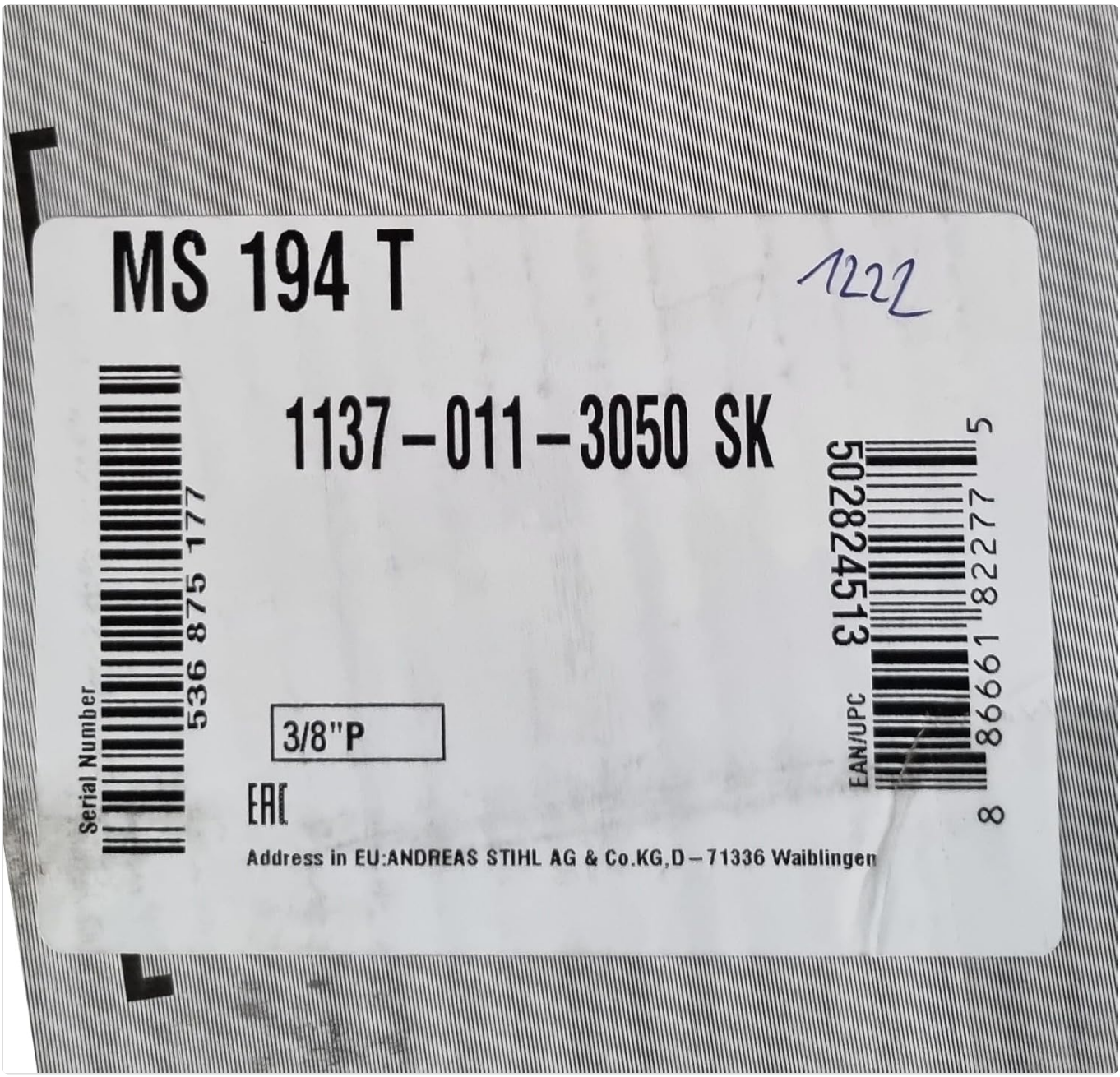
Chainsaw Components

Familiarize yourself with the main parts of your STIHL MS 194 T Chainsaw:



This image shows the STIHL MS 194 T Chainsaw from a side view, highlighting its compact design, the guide bar with chain, and the orange protective bar cover. The chainsaw features a white and orange casing with the STIHL logo clearly visible.

- **Guide Bar:** The long, flat component that supports and guides the saw chain.
- **Saw Chain:** The cutting tool with sharp teeth that rotates around the guide bar.
- **Front Handle:** Provides a stable grip for the non-dominant hand.
- **Rear Handle:** Contains the throttle trigger and controls.
- **Throttle Trigger:** Controls the engine speed and chain movement.
- **Chain Brake:** A safety device that stops the chain instantly in case of kickback.
- **Fuel Tank Cap:** For filling the fuel mixture.
- **Oil Tank Cap:** For filling chain lubricant.
- **Pull Starter:** Used to manually start the engine.



This image displays a close-up of the product label on the STIHL MS 194 T Chainsaw. It clearly shows the model number 'MS 194 T', the serial number '536 875 177', and the UPC '0886661822775', along with other manufacturing details.

Setup and Preparation

Assembly

Before first use, the guide bar and saw chain must be properly installed. Refer to the detailed diagrams in your printed manual for precise steps. Ensure the chain is correctly oriented and seated in the guide bar groove.

Fueling

The STIHL MS 194 T uses a 2-mix motor, requiring a specific fuel mixture of gasoline and 2-stroke engine oil. Always use high-quality, fresh unleaded gasoline and STIHL 2-stroke engine oil or an equivalent high-quality oil designed for air-cooled 2-stroke engines. Mix according to the manufacturer's recommended ratio (typically 50:1 for STIHL oil).

- Ensure the engine is off and cool before refueling.
- Clean the area around the fuel cap to prevent dirt from entering the tank.
- Slowly open the fuel cap to release any pressure.

- Fill the fuel tank, avoiding overfilling.
- Securely close the fuel cap.

Chain Lubrication

Fill the chain oil tank with high-quality chain lubricant. The oil lubricates the chain and guide bar during operation, reducing friction and wear. Check the oil level frequently during use.

Chain Tensioning

Proper chain tension is crucial for safe and efficient operation. The chain should be snug against the guide bar but still able to be pulled around by hand. Adjust tension as needed, especially when the chain is new or after extended use.

Operating Instructions

Starting the Engine

The STIHL MS 194 T features Stihl ErgoStart (E) for high starting comfort.

1. Place the chainsaw on a firm, level surface.
2. Engage the chain brake.
3. Set the master control lever to the choke position (cold start) or half-throttle (warm start).
4. Place your right foot into the rear handle and firmly press the chainsaw down.
5. Pull the starter cord slowly until resistance is felt, then pull quickly and firmly until the engine fires.
6. Once the engine fires, immediately push the master control lever to the run position.
7. Disengage the chain brake before cutting.

Cutting Techniques

Always maintain a balanced stance and a firm grip on both handles. Plan your cuts to avoid pinching the guide bar or chain. Be aware of the direction of falling timber and clear your escape route. For detailed cutting techniques, consult professional training or additional resources.

Stopping the Engine

To stop the engine, move the master control lever to the STOP position. The convenient stop function ensures quick and easy shutdown.

Maintenance

Regular maintenance is essential for the longevity and safe operation of your chainsaw.

Daily Maintenance

- Clean the air filter.
- Check and clean the guide bar groove and oil holes.
- Inspect the saw chain for sharpness and damage. Sharpen or replace as needed.
- Check chain tension.
- Clean the cooling fins.
- Check the function of the chain brake.

Periodic Maintenance

- Check spark plug.

- Clean fuel filter.
- Inspect clutch and clutch drum.
- Check anti-vibration elements.

Storage

When storing the chainsaw for an extended period, drain the fuel tank and run the engine until it stops to clear the carburetor. Clean the chainsaw thoroughly and store it in a dry, secure location, out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Engine does not start.	No fuel, incorrect starting procedure, fouled spark plug, clogged fuel filter.	Check fuel level and mixture. Follow starting instructions. Clean/replace spark plug. Clean/replace fuel filter.
Chain does not move.	Chain brake engaged, chain too tight, clutch issue.	Disengage chain brake. Adjust chain tension. Consult service for clutch issues.
Poor cutting performance.	Dull chain, incorrect chain tension, worn guide bar.	Sharpen or replace chain. Adjust chain tension. Inspect and replace guide bar if worn.

For complex issues or repairs, it is recommended to contact an authorized STIHL service dealer.

Specifications

Feature	Detail
Brand	Stihl
Model	MS 194 T
Product Type	Chainsaw
Power Source	Gas Powered
Displacement	31.8 cm^3
Power Output	1.4 kW (1.9 HP)
Cutting Length (Guide Bar)	30 cm (12 inches)
Item Weight	3.8 kg (6.6 pounds)
Product Dimensions (L x W x H)	23.23" x 9.06" x 9.06"
Starting System	Stihl ErgoStart (E)
UPC	659701397072
Serial Number (Example)	536875177

Warranty and Support

For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit

the official Stihl website. For technical support, service, or genuine Stihl parts, please contact your authorized Stihl dealer. Always use genuine Stihl parts and accessories to ensure optimal performance and safety.

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