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> sthus Tune-Up/Service Kit for STIHL MS210, MS230, MS250 Chainsaws Instruction Manual

sthus MS210, MS230, MS250

sthus Tune-Up/Service Kit for STIHL MS210, MS230, MS250 Chainsaws

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation and maintenance of your sthus Tune-Up/Service Kit. This kit is designed to help maintain the performance of compatible STIHL chainsaw models by replacing key wear components. Please read this manual thoroughly before proceeding with any installation or service.

2. PRODUCT OVERVIEW

The sthus Tune-Up/Service Kit includes the following components:

- Spark Plug
- Air Filter
- Fuel Filter



Figure 2.1: Overview of the sthus Tune-Up/Service Kit components, including a spark plug, air filter, and fuel filter.

3. COMPATIBILITY

This sthus Tune-Up/Service Kit is compatible with the following STIHL chainsaw models:

- STIHL MS210
- STIHL MS230
- STIHL MS250

Important Note:

Always verify the compatibility of replacement parts with your specific chainsaw model before installation. Refer to your

chainsaw's original manual for detailed part specifications.



Figure 3.1: Example of a compatible STIHL MS250 chainsaw.

4. SAFETY INFORMATION

WARNING:

- Always disconnect the spark plug wire before performing any maintenance to prevent accidental starting.
- Ensure the chainsaw engine is cool before handling components.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Refer to your chainsaw's original owner's manual for specific safety precautions and procedures.
- Keep all parts and tools away from children.

5. INSTALLATION GUIDE

Follow these steps for replacing the components of your tune-up kit. It is recommended to replace all components simultaneously for optimal performance.

5.1. Spark Plug Replacement

1. **Locate the Spark Plug:** The spark plug is typically located on the top or side of the engine cylinder, covered by a rubber boot.
2. **Disconnect the Spark Plug Wire:** Carefully pull the rubber boot and wire off the spark plug terminal.
3. **Remove the Old Spark Plug:** Use a spark plug wrench to loosen and remove the old spark plug by turning it counter-clockwise.
4. **Install the New Spark Plug:** Hand-thread the new spark plug into the cylinder head to avoid cross-threading. Once finger-tight, use the spark plug wrench to tighten it an additional 1/4 to 1/2 turn. Do not overtighten.
5. **Reconnect the Spark Plug Wire:** Push the rubber boot firmly back onto the new spark plug terminal until it clicks into place.



Figure 5.1.1: Dimensions of the spark plug included in the kit.

5.2. Air Filter Replacement

1. **Access the Air Filter Housing:** Depending on your chainsaw model, you may need to remove the top cover or a specific air filter cover. This usually involves unscrewing a few fasteners or releasing clips.
2. **Remove the Old Air Filter:** Carefully lift out the old air filter. Note its orientation for correct installation of the new filter.
3. **Clean the Housing:** Wipe away any debris or sawdust from the air filter housing before installing the new filter.
4. **Install the New Air Filter:** Place the new air filter into the housing, ensuring it fits snugly and seals properly.
5. **Secure the Housing:** Reattach the air filter cover or top cover, ensuring all fasteners are tightened or clips are secured.



Figure 5.2.1: Typical location of the air filter housing on a compatible chainsaw.



Figure 5.2.2: The air filter component from the kit.



Figure 5.2.3: Example of an air filter correctly installed in its housing.

5.3. Fuel Filter Replacement

1. **Drain Fuel Tank:** It is advisable to drain the fuel tank before replacing the fuel filter to prevent spills.
2. **Locate the Fuel Filter:** The fuel filter is typically located inside the fuel tank, attached to the end of the fuel line. You may need to use a hook or pliers to carefully retrieve it through the fuel tank opening.
3. **Remove the Old Fuel Filter:** Disconnect the old fuel filter from the fuel line. Be prepared for a small amount of fuel to drip.
4. **Install the New Fuel Filter:** Attach the new fuel filter securely to the fuel line. Ensure a tight connection to prevent leaks.
5. **Return to Tank:** Carefully place the fuel filter back into the fuel tank.
6. **Refill Fuel:** Refill the fuel tank with the appropriate fuel mixture as specified by your chainsaw manufacturer.



Figure 5.3.1: Dimensions of the fuel filter included in the kit.

6. MAINTENANCE SCHEDULE

Regular maintenance is crucial for the longevity and optimal performance of your chainsaw. The frequency of replacement for these components depends on usage and operating conditions.

- **Spark Plug:** Inspect every 25 hours of operation or annually. Replace if electrodes are worn, fouled, or damaged.
- **Air Filter:** Clean after every 5-10 hours of operation or as needed in dusty conditions. Replace if cleaning does not restore proper airflow or if the filter is damaged.
- **Fuel Filter:** Inspect annually or every 50 hours of operation. Replace if clogged or damaged.

Always refer to your chainsaw's original owner's manual for the manufacturer's recommended maintenance schedule.

7. TROUBLESHOOTING

If you encounter issues after installing the tune-up kit, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine does not start or runs poorly after spark plug replacement.	Spark plug wire not securely connected; incorrect spark plug gap; faulty spark plug.	Ensure wire is firmly attached. Check spark plug gap (refer to chainsaw manual). Re-install original spark plug to test if the new one is faulty.
Air filter does not fit properly or leaves gaps.	Incorrect filter size or shape for specific chainsaw model.	Double-check compatibility with your exact chainsaw model. Ensure the filter is seated correctly without bending or forcing.
Fuel leaks or engine runs lean after fuel filter replacement.	Fuel filter not securely attached to fuel line; incorrect fuel filter size.	Verify the fuel filter is tightly connected to the fuel line. Ensure the fuel line is not cracked or damaged.

If problems persist, consult a qualified service technician or refer to your chainsaw's official service manual.

8. SPECIFICATIONS

The sthus Tune-Up/Service Kit components are designed to meet or exceed original equipment specifications for compatible models.

- **Spark Plug:** Standard replacement type for 2-stroke engines. (Approx. 55mm length, 13.6mm thread diameter)
- **Air Filter:** Designed for specific STIHL MS210, MS230, MS250 models.
- **Fuel Filter:** Standard replacement type for 2-stroke engines. (Approx. 43mm length, 6.5mm nipple diameter)

Note: Dimensions are approximate and for reference only.

9. WARRANTY INFORMATION

sthus products are manufactured to high-quality standards. For specific warranty details regarding this tune-up kit, please refer to the product packaging or contact sthus customer support directly. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding this product, please visit the official sthus store on Amazon or contact their customer service department.

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