

Stens 615-014

Stens 615-014 Carburetor Replacement Instruction Manual

For Stihl TS400 Cutquik Saws

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Stens 615-014 Carburetor. This carburetor is designed as a direct replacement for specific Stihl models, including the TS400 Cutquik saw. Please read this manual thoroughly before proceeding with any installation or maintenance to ensure proper function and safety.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working with fuel systems and power equipment.
- Ensure the engine is cool and disconnected from its power source (e.g., spark plug wire removed) before beginning any work.
- Work in a well-ventilated area to avoid inhaling fuel vapors.
- Handle fuel with extreme care. Do not smoke or use open flames near fuel.
- Dispose of old fuel and parts according to local regulations.
- If you are unsure about any step, consult a qualified service technician.

SETUP AND INSTALLATION

1. Pre-Installation Checks

- Verify that the Stens 615-014 carburetor is the correct replacement part for your Stihl TS400 Cutquik saw. Refer to your equipment's original manual for part numbers.
- Inspect the new carburetor for any visible damage or manufacturing defects.
- Gather all necessary tools, which typically include screwdrivers, wrenches, pliers, and a fuel line clamp.

2. Installation Steps

1. **Prepare the Equipment:** Ensure the Stihl TS400 saw is turned off, cool, and the spark plug wire is disconnected. Drain any fuel from the tank.
2. **Access the Carburetor:** Remove the air filter cover, air filter, and any shrouds or covers that obstruct access to the carburetor.
3. **Disconnect Components:** Carefully disconnect the fuel lines, throttle linkage, and choke linkage from the old carburetor. Note their positions for reassembly.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold.
5. **Install New Carburetor:** Position the Stens 615-014 carburetor, ensuring any gaskets are properly seated. Secure it with the mounting bolts.
6. **Reconnect Components:** Reattach the fuel lines, throttle linkage, and choke linkage to the new carburetor in their original positions. Ensure all connections are secure and free of kinks.
7. **Reassemble:** Replace the air filter, air filter cover, and any other shrouds or covers removed earlier.



Figure 1: The Stens 615-014 Carburetor. This image shows the main body of the carburetor, including the fuel inlet, throttle shaft, and various adjustment screws. Proper identification of these components is crucial for correct installation and adjustment.

OPERATING INSTRUCTIONS

1. Fuel Requirements

This carburetor is **not compatible with fuel containing greater than 10% ethanol**. Using fuel with higher ethanol content can cause damage to the carburetor and fuel system components. Always use fresh, clean fuel mixed according to your Stihl TS400 saw's specifications.

2. Initial Start-up

1. Fill the fuel tank with the appropriate fuel mixture (less than 10% ethanol).
2. Prime the carburetor if your saw has a primer bulb, until fuel is visible.
3. Follow your Stihl TS400 saw's specific starting procedure (e.g., choke setting, pull cord).
4. Allow the engine to warm up for a few minutes before operating under load.

MAINTENANCE

1. Cleaning

- Regularly inspect the air filter and clean or replace it as needed to prevent dirt from entering the carburetor.
- If the carburetor becomes clogged, it may require disassembly and cleaning with a carburetor cleaner. This should only be performed by individuals with mechanical experience.

2. Adjustments

Carburetor adjustments (idle speed, high/low mixture screws) are typically factory-set. Minor adjustments may be necessary after installation or due to environmental changes. Refer to your Stihl TS400 saw's service manual for specific adjustment procedures. Incorrect adjustments can lead to engine damage or poor performance.

TROUBLESHOOTING

Common Carburetor Issues and Solutions

Problem	Possible Cause	Solution
Engine will not start	No fuel reaching carburetor, clogged fuel filter, incorrect choke setting, spark plug issue.	Check fuel lines and filter. Ensure fuel tank is full. Verify choke operation. Inspect and clean/replace spark plug.
Engine runs poorly/lacks power	Clogged carburetor jets, incorrect fuel mixture, air filter dirty, improper carburetor adjustment.	Clean or replace air filter. Use correct fuel mixture. Adjust carburetor settings (refer to saw manual). Clean carburetor jets.
Fuel leaks	Loose fuel lines, damaged gaskets, float needle issue.	Inspect and tighten fuel line connections. Replace damaged gaskets. If float needle is suspected, professional service is recommended.

SPECIFICATIONS

Model Number: Stens 615-014

Replaces OEM Numbers: Tillotson HS-279D, Stihl 4223 120 0652, 4223 120 0650, 4223 120 0601, 4223 120 0600

Compatibility: Stihl TS400 Cutquik saw

Ethanol Compatibility: Not compatible with greater than 10% ethanol fuel

Product Dimensions: Approximately 2.8 x 2.8 x 1 inches

Item Weight: Approximately 0.06 Pounds (0.96 ounces)

WARRANTY INFORMATION

For specific warranty details regarding your Stens 615-014 Carburetor, please refer to the warranty documentation included with your purchase or visit the official Stens website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

If you require further assistance, have questions about installation, or need to troubleshoot an issue not covered in this manual, please contact Stens customer support. You can typically find contact information on the official Stens website or through your product retailer.

Stens Official Website: www.stens.com (Note: This is a placeholder URL, please verify the actual Stens website for support.)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question