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NTSUMI Carburetor (NTSYF6YHYQTJ6.L)

NTSUMI Carburetor and Tune-Up Kit Instruction Manual

Model: Carburetor (NTSYF6YHYQTJ6.L) | **Brand:** NTSUMI

1. Product Overview

This NTSUMI Carburetor and Tune-Up Kit is designed to restore optimal performance to your Craftsman riding mower. It ensures efficient fuel-air mixture for smooth engine operation, reliable starting, and improved fuel economy. The kit includes all necessary components for a comprehensive replacement.



Image 1: Overview of the NTSUMI Carburetor and Tune-Up Kit components.

2. Package Contents

The NTSUMI Carburetor and Tune-Up Kit includes the following items:

- 1 x Carburetor

- 1 x Fuel Filter
- 1 x Shut Off Valve
- 1 x Gasket
- 1 x Fuel Hose
- 1 x Joint



Image 2: All components included in the tune-up kit.

3. Compatibility

This carburetor and tune-up kit is compatible with the following Craftsman riding mower models:

- Craftsman R110
- Craftsman CMXGRAM1130035
- Craftsman 13AC26JD093

Please verify your mower's model number before purchasing and installation to ensure proper fitment.



Image 3: The carburetor kit is designed for Craftsman R110, CMXGRAM1130035, and 13AC26JD093 riding mowers.

4. Key Features

4.1 Efficient Start-Up

The carburetor is engineered for reliable and quick engine starts in various temperature conditions, minimizing downtime and maintenance needs.



Image 4: Efficient cold and hot start-up capability.

4.2 Steady Power Output

This kit helps maintain a stable fuel-air mixture, ensuring consistent oil levels and providing a smooth, reliable power output for your riding mower.



Image 5: Stable and reliable power output.

4.3 Durable Aluminum Alloy Construction

The carburetor is constructed from high-quality aluminum alloy, offering excellent wear resistance, corrosion resistance, and high-temperature durability for a long service life.



Image 6: Durable aluminum alloy build.

4.4 Fuel Efficiency

This tune-up kit is designed to optimize fuel consumption, providing strong power while reducing fuel usage during long-term operation.



Image 7: Fuel-efficient performance.

5. Installation Guide

Replacing a carburetor and associated fuel system components requires mechanical aptitude. If you are unsure about any step, it is recommended to consult your mower's official service manual or seek professional assistance.

General Installation Steps:

1. **Safety First:** Ensure the engine is cool, the spark plug wire is disconnected, and the fuel tank is empty or the fuel line is clamped to prevent spills.
2. **Remove Old Components:** Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Remove the mounting bolts and detach the old carburetor.
3. **Replace Fuel System Components:** Install the new fuel filter and shut off valve into the fuel line. Replace the old fuel hose with the new one provided in the kit.
4. **Install New Carburetor:** Place the new gasket between the engine and the new carburetor. Mount the new carburetor, ensuring all linkages are correctly reconnected. Secure with mounting bolts.
5. **Reconnect and Test:** Reconnect the spark plug wire, refill the fuel tank, and check for any leaks. Start the engine and allow it to warm up. Adjust the carburetor if necessary according to your mower's service manual.

Your browser does not support the video tag.

Video 1: An instructional video demonstrating the components of the carburetor kit and their assembly. This video is provided by Nationtecs.

6. Operation

Once installed, the NTSUMI carburetor will regulate the fuel-air mixture delivered to your engine. Proper installation ensures that your Craftsman riding mower starts easily and runs smoothly, providing consistent power for cutting grass. Always operate your mower according to the manufacturer's guidelines.

7. Maintenance

Regular maintenance of your carburetor and fuel system is crucial for longevity and performance:

- **Fuel Filter:** Inspect and replace the fuel filter annually or more frequently if operating in dusty conditions or using older fuel. A clogged fuel filter can restrict fuel flow and affect engine performance.
- **Clean Fuel:** Always use fresh, clean fuel. Stale or contaminated fuel can lead to carburetor issues. Consider using a fuel stabilizer if storing the mower for extended periods.
- **Carburetor Cleaning:** If the mower experiences rough idling or poor performance, the carburetor may need cleaning. This typically involves disassembling, cleaning jets and passages with carburetor cleaner, and reassembling with new gaskets.
- **Air Filter:** Ensure the air filter is clean and unobstructed to allow proper airflow to the carburetor.

8. Troubleshooting

If you encounter issues after installing the new carburetor, consider the following:

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, incorrect choke setting, spark plug issue	Check fuel level, replace fuel filter, adjust choke, inspect/replace spark plug
Engine runs rough/stalls	Improper fuel-air mixture, dirty carburetor, air leak, old fuel	Clean carburetor, check for air leaks around gaskets, use fresh fuel
Fuel leaks	Loose connections, damaged fuel line, improperly seated gasket	Tighten all connections, replace damaged fuel line, ensure gasket is correctly installed

For persistent issues, consult a qualified technician or your mower's service manual.

9. Specifications

Attribute	Value
Brand	NTSUMI
Model	Carburetor
Item Model Number	NTSYF6YHYQTJ6.L
Item Weight	11.2 ounces
Package Dimensions	7 x 3 x 3 inches
Manufacturer	Nationtecs
First Available Date	April 29, 2025

10. Warranty and Support

For warranty information or technical support regarding your NTSUMI Carburetor and Tune-Up Kit, please contact the manufacturer, Nationtecs, directly or refer to the product packaging for specific details.

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.

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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.

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