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NTSUMI NTSHYQ1115

NTSUMI Carburetor Tune-Up Kit User Manual

Model: NTSHYQ1115 | For Ryobi RY906500S 6500 8125W Generators

1. Product Overview

The NTSUMI Carburetor Tune-Up Kit is designed as a replacement part for Ryobi RY906500S 6500 and 8125 Watt Generators. This kit aims to restore and improve your generator's performance by addressing common issues such as inadequate combustion, unstable starting, fuel leakage, and throttle response problems. Constructed from high-quality aluminum alloy, the carburetor is built for durability and stable operation across various temperatures.

The kit ensures efficient starting in both cold and hot conditions, maintains a stable fuel and air mixture ratio, and provides consistent power output, ultimately reducing fuel consumption and maintenance needs.

2. Product Features

- **Efficient Start-up:** Ensures quick and reliable starting in various temperature conditions.
- **Steady Power Output:** Optimizes fuel and air mixture for stable and consistent power delivery.
- **Durable Construction:** Made from high-quality aluminum alloy for wear resistance, corrosion resistance, and high-temperature stability.
- **Fuel Saving Performance:** Designed to reduce fuel consumption while maintaining strong power.
- **Perfect Adaptation:** Engineered for precise fit and function, restoring the generator's working state.

3. Compatibility

This carburetor tune-up kit is specifically designed for use with the following generator models:

- Ryobi RY906500S 6500 Watt Generator
- Ryobi 8125 Watt Generator

Please verify your generator's model number to ensure proper fit before installation.



Image: The NTSUMI carburetor kit components, including the carburetor, oil filter, gaskets, and fuel hose.

4. Package Contents

Upon opening the package, ensure all the following components are present and undamaged:

- 1 x Carburetor
- 1 x Oil Filter

- 3 x Gaskets
- 1 x Fuel Hose

If any parts are missing or damaged, please contact customer support immediately.

5. Installation

Installation of a carburetor requires mechanical aptitude and familiarity with generator components. If you are not confident in your ability to perform this installation, it is highly recommended to seek assistance from a qualified technician or refer to your generator's official service manual.

General Installation Steps (Consult Generator Manual for Specifics):

1. **Safety First:** Ensure the generator is turned off, cooled down, and disconnected from any power sources. Disconnect the spark plug wire to prevent accidental starting.
2. **Drain Fuel:** Drain the fuel tank and carburetor bowl to prevent spills.
3. **Remove Air Filter Assembly:** Carefully remove the air filter housing and any associated components to access the carburetor.
4. **Disconnect Fuel Line and Linkages:** Disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Note their positions for reassembly.
5. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Be mindful of any gaskets between the carburetor and the engine/intake manifold.
6. **Install New Gaskets:** Place the new gaskets provided in the kit in their correct positions. These are crucial for a proper seal.
7. **Mount New Carburetor:** Install the new NTSUMI carburetor, ensuring it is properly seated and aligned. Secure it with the original bolts.
8. **Reconnect Linkages and Fuel Line:** Reattach the throttle and choke linkages, ensuring they operate smoothly. Connect the new fuel hose and oil filter if replacing.
9. **Reassemble Air Filter:** Reinstall the air filter assembly.
10. **Refill Fuel:** Add fresh, clean fuel to the generator's tank.
11. **Test Operation:** Reconnect the spark plug wire and attempt to start the generator. Check for any fuel leaks or abnormal operation.



Image: Close-up of hands adjusting the throttle linkage on the carburetor, demonstrating its functional movement.



Image: The NTSUMI carburetor shown in context with a Ryobi 6500/8125W generator, illustrating its intended application.

Your browser does not support the video tag.

Video: An official product video demonstrating the NTSUMI carburetor and its features, including its compatibility with Ryobi generators and its high-quality aluminum alloy construction. This video highlights the carburetor's ability to improve performance and combustion efficiency, ensuring perfect adaptation and restoring the generator's working state.

6. Operating Instructions

As a replacement component, the NTSUMI carburetor does not alter the fundamental operating procedures of your Ryobi generator. Always refer to your generator's original user manual for detailed operating instructions, safety guidelines, and starting procedures.

Ensure that the generator is operated in a well-ventilated area and that all safety precautions are followed.

7. Maintenance

Proper maintenance of your carburetor and generator is essential for longevity and optimal performance. While the NTSUMI carburetor is designed for durability, regular checks are recommended.

- **Fuel Quality:** Always use fresh, clean, and appropriate fuel for your generator. Stale or contaminated fuel can lead to carburetor issues.
- **Fuel Stabilizer:** If storing the generator for extended periods, use a fuel stabilizer to prevent fuel degradation and gumming in the carburetor.
- **Air Filter:** Regularly inspect and clean or replace the air filter to ensure proper air intake and prevent debris from entering the carburetor.
- **Carburetor Cleaning:** If performance issues arise, the carburetor may require cleaning. This typically involves disassembling the carburetor and cleaning jets and passages with a carburetor cleaner. This task is best performed by experienced individuals or professionals.
- **Gasket Integrity:** Periodically check for any signs of fuel leaks around the carburetor, which may indicate a compromised gasket.

8. Troubleshooting

The NTSUMI Carburetor Tune-Up Kit is designed to resolve common generator performance issues. If your generator exhibits any of the following symptoms, this kit is intended to provide a solution:

- **Unstable Starting:** Difficulty starting the generator, especially in varying temperature conditions.
- **Inadequate Combustion:** Poor engine performance, reduced power, or excessive smoke.
- **Fuel Leakage:** Visible fuel leaks around the carburetor area.
- **Throttle Response Issues:** Engine not responding correctly to throttle adjustments.
- **Insufficient Power:** Generator not producing its rated power output.
- **Internal Rusting:** Issues caused by corrosion within the original carburetor.
- **Damaged Parts:** Malfunctions due to worn or broken components in the previous carburetor.

If issues persist after proper installation and basic checks, consult a professional generator repair service.



Image: The NTSUMI carburetor displayed alongside a list of common generator problems it is designed to address, such as internal rusting, damaged parts, insufficient power, and insufficient fuel combustion.

9. Specifications

Attribute	Specification
Brand	NTSUMI
Model Number	NTSHYQ1115
Material	Aluminum Alloy
Fuel Type	Gasoline
Package Dimensions	6.49 x 3.34 x 2.75 inches
Package Weight	0.72 lb

10. Warranty and Support

For information regarding warranty coverage, returns, or technical support, please contact NTSUMI customer service directly through the retailer where the product was purchased or visit the official NTSUMI website. Please have your product model number (NTSHYQ1115) and purchase details available when contacting support.

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