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› YOXUFA 2-Stroke Carburetor Assembly User Manual (Model YO-HYQ80cc-H)

YOXUFA YO-HYQ80cc-H

YOXUFA 2-Stroke Carburetor Assembly User Manual

Model: YO-HYQ80cc-H

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your YOXUFA 2-Stroke Carburetor Assembly. This carburetor is designed to optimize fuel-air mixture for various 2-stroke engines, enhancing performance and efficiency. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

2. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- 1 x 2-Stroke Carburetor
- 1 x Air Filter
- 1 x Spark Plug
- 2 x Fuel Filters
- 1 x Fuel Line
- 4 x Clips



Image 1: YOXUFA 2-Stroke Carburetor Assembly with air filter. This image displays the main carburetor unit with the air filter attached, providing a complete view of the primary components.

3. SPECIFICATIONS

Brand	YOXUFA
Model Number	YO-HYQ80cc-H
Item Type	Carburetor Assembly
Exterior Finish	Polished
Manufacturer Warranty	90 Days

Size for Motorized Bike Carburetor

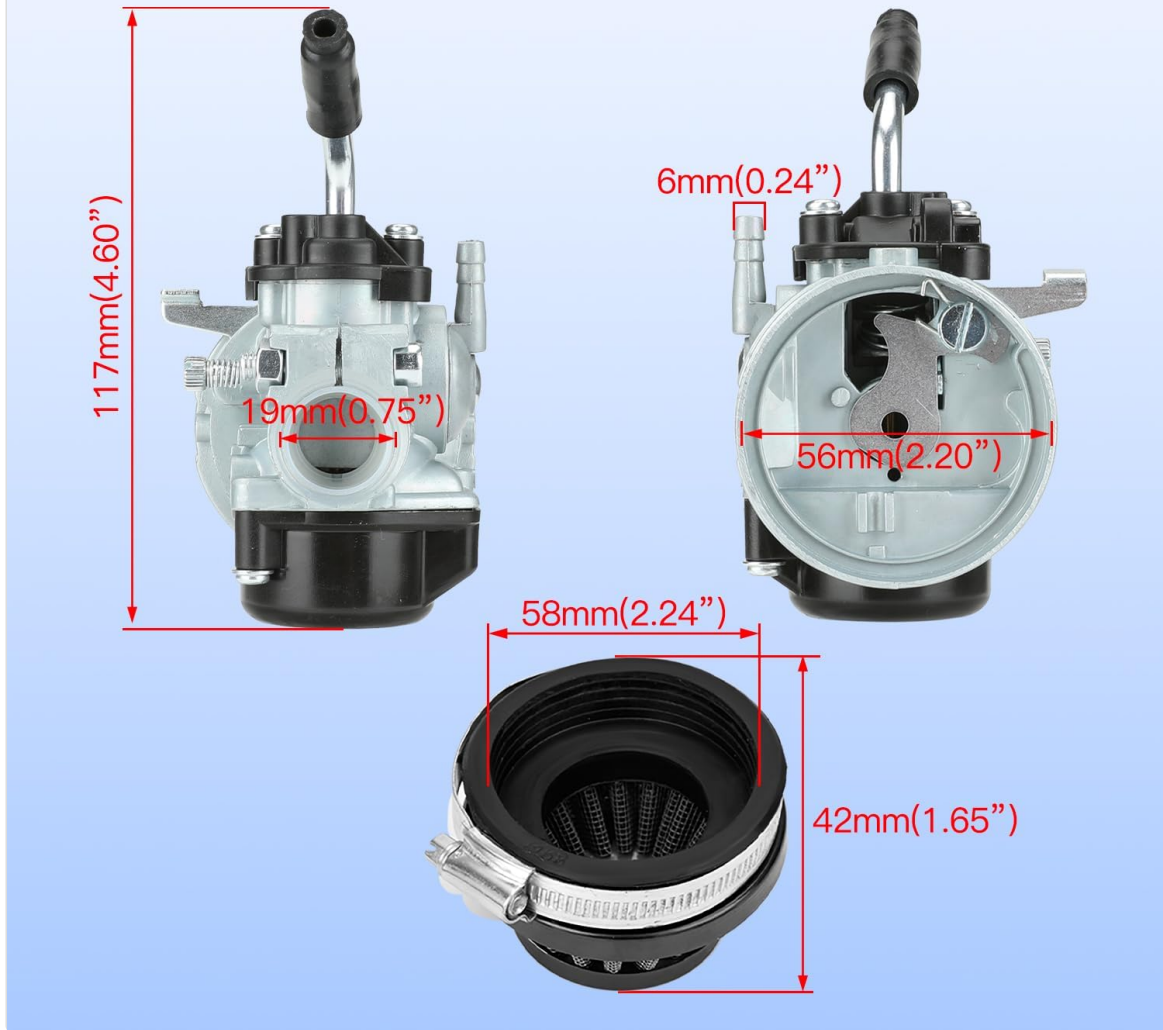


Image 2: Detailed dimensions of the carburetor and air filter. This image provides critical measurements for the carburetor (117mm height, 19mm inlet, 56mm throttle bore) and the air filter (58mm diameter, 42mm height), essential for fitment verification.

4. COMPATIBILITY

This carburetor assembly is compatible with a range of 2-stroke engines:

- 49cc 2-stroke engines
- 50cc 2-stroke engines
- 66cc 2-stroke engines
- 80cc 2-stroke engines
- 100cc 2-stroke engines

It is suitable for motorized bicycles, moto bikes, motorcycles, bicycles, Chinese scooters, mopeds, and pit dirt bike parts that utilize these engine sizes.

5. FEATURES

- **Durable Construction:** Made from high-strength materials for extended service life.
- **Enhanced Airflow:** The included air filter features a 58mm large inlet diameter, designed to absorb

more clean air into the carburetor, potentially improving engine power.

- **Cotton Gauze Air Filter:** The air filter is constructed with cotton gauze, which helps prevent dust from sticking and maintains efficient filtration.
- **Easy Jet Tuning:** The design allows for straightforward jet tuning by opening the float bowl and replacing jets.



Image 3: Close-up view of the 58mm air filter. This image highlights the cotton gauze construction and indicates how the larger inlet diameter facilitates increased airflow into the engine, contributing to improved performance.

6. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, it is recommended to seek professional assistance.

6.1 Pre-Installation Checks

- Ensure the engine is cool and the fuel supply is turned off.
- Gather all necessary tools.
- Inspect all components for any damage before installation.

6.2 Installation Steps

1. **Remove Old Carburetor:** Carefully disconnect the fuel line, throttle cable, and mounting bolts from the

existing carburetor. Remove the old carburetor and air filter.

2. **Prepare Mounting Surface:** Clean the engine's intake manifold surface to ensure a proper seal.
3. **Install New Carburetor:** Mount the YOXUFA carburetor to the engine. If replacing an NT carb on a 66/80cc bicycle engine, it may be necessary to wrap several layers of thread tape around the intake manifold connection to ensure a secure fit and prevent air leaks.
4. **Attach Air Filter:** Securely attach the provided air filter to the carburetor intake.
5. **Connect Fuel Line:** Attach the new fuel line and fuel filters, ensuring a tight connection to prevent leaks. Use the provided clips.
6. **Connect Throttle Cable:** Connect and adjust the throttle cable according to your engine's specifications.
7. **Install Spark Plug:** Replace the old spark plug with the new one provided.



Image 4: Carburetor and air filter shown separately. This image illustrates the carburetor and its accompanying air filter as individual components, aiding in understanding how they connect during installation.

7. OPERATING INSTRUCTIONS

After installation, perform the following steps to operate your engine:

1. **Fuel Supply:** Ensure the fuel tank has adequate fuel and the fuel valve is open.

2. **Choke Operation:** For cold starts, engage the choke. Once the engine starts and warms up, gradually disengage the choke.
3. **Throttle Control:** Use the throttle to control engine speed. Ensure smooth operation and no sticking.
4. **Idle Adjustment:** Adjust the idle screw on the carburetor to achieve a stable idle speed when the engine is warm.

8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your carburetor.

- **Air Filter Cleaning:** Periodically inspect and clean the air filter. The cotton gauze design helps prevent dust buildup, but regular cleaning is still recommended.
- **Fuel Filter Replacement:** Replace fuel filters regularly to prevent contaminants from reaching the carburetor.
- **Carburetor Cleaning:** If performance issues arise, the carburetor may need cleaning. Disassemble carefully, clean with carburetor cleaner, and reassemble.
- **Jet Inspection:** Check jets for blockages or wear, especially if experiencing fuel delivery issues.

9. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Engine not starting or running poorly	Incorrect jet tuning, clogged fuel filter, air leak, spark plug issue	Adjust jets (see below), replace fuel filter, check for air leaks at manifold, inspect/replace spark plug.
Engine stalls at idle	Idle screw misadjusted, clogged idle jet	Adjust idle screw, clean idle jet.
Loss of power or rough running	Main jet too small/large, air filter clogged	Adjust main jet size, clean air filter.

9.1 Jet Tuning Considerations

Jet tuning is dependent on environmental factors such as weather and altitude. It is a straightforward process: open the float bowl, unscrew the current jet, and install a new one. Ensure not to overtighten. For higher elevations, a change in jet size (typically a 6mm jet) may be required for proper carburetor function.

10. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: YOXUFA 2-Stroke Carburetor Overview. This video provides a visual demonstration and overview of the YOXUFA 2-Stroke Carburetor Assembly, showcasing its features and components.

11. WARRANTY AND SUPPORT

The YOXUFA 2-Stroke Carburetor Assembly comes with a 90-day manufacturer warranty. For warranty claims, technical support, or further inquiries, please contact YOXUFA customer service or visit the official YOXUFA store:

Visit the YOXUFA Store