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> [MotoMaster Motorcycle Air Filter Instruction Manual for Yamaha FZ6 Series \(Model 5VX-14451-00\)](#)

## MotoMaster 5VX-14451-00

# MotoMaster Motorcycle Air Filter Instruction Manual

Model: 5VX-14451-00

## 1. Introduction

This MotoMaster air filter is designed to meet original equipment specifications, ensuring optimal performance and protection for your motorcycle engine. It helps maintain maximum power by providing clean air, prevents harmful particles from entering the engine, and contributes to efficient fuel consumption. This manual provides essential information for the proper installation and maintenance of your new air filter.

#	Brand	Fitment	Start Year	End Year
1	YAMAHA	FZ 6	2004	2008
2	YAMAHA	FZ 6 FAZER	2004	2009
3	YAMAHA	FZ 6 FAZER S2	2007	2010
4	YAMAHA	FZ 6 FAZER S2 ABS	2008	2010
5	YAMAHA	FZ 6 N	2004	2009
6	YAMAHA	FZ 6 S	2004	2009

Image 1: Top view of the MotoMaster Motorcycle Air Filter, showing the red filter media and black frame.

## 2. Compatibility

This air filter is compatible with the following Yamaha motorcycle models. Please verify your motorcycle's make, model, and year before installation.

#	Brand	Fitment	Start Year	End Year
1	YAMAHA	FZ 6	2004	2008
2	YAMAHA	FZ 6 FAZER	2004	2009
3	YAMAHA	FZ 6 FAZER S2	2007	2010
4	YAMAHA	FZ 6 FAZER S2 ABS	2008	2010
5	YAMAHA	FZ 6 N	2004	2009
6	YAMAHA	FZ 6 S	2004	2009



Image 2: Visual representation of the compatibility table for various Yamaha FZ6 models.

### 3. Setup and Installation

Replacing your motorcycle's air filter is a routine maintenance task. While specific steps may vary slightly by motorcycle model, the general procedure involves:

1. **Locate the Airbox:** Refer to your motorcycle's service manual to find the airbox location, typically under the fuel tank or seat.
2. **Remove Airbox Cover:** Carefully unfasten any screws, clips, or clamps securing the airbox cover.
3. **Remove Old Filter:** Take out the old air filter. Note its orientation for correct installation of the new filter.
4. **Clean Airbox:** Inspect the airbox for any debris or dust and clean it thoroughly before installing the new filter.
5. **Install New Filter:** Place the new MotoMaster air filter into the airbox, ensuring it is seated correctly and securely. The filter is designed for a perfect fit according to OEM standards.
6. **Secure Airbox Cover:** Reattach the airbox cover, ensuring all fasteners are tightened properly to prevent unfiltered air from entering the engine.

*Always consult your motorcycle's official service manual for detailed, model-specific instructions and safety precautions.*



Image 3: Side view of the MotoMaster Motorcycle Air Filter, highlighting its profile and construction.

### 4. Operating Principles

The air filter's primary function is to prevent dust, dirt, and debris from entering your motorcycle's engine. A clean air filter ensures a proper air-fuel mixture, which is crucial for engine performance, longevity, and fuel efficiency. By filtering incoming

air, the MotoMaster air filter protects internal engine components from abrasive particles that can cause wear and damage.

## 5. Maintenance

Regular maintenance of your air filter is essential for engine health and optimal performance. It is recommended to replace the air filter on your motorcycle every **12,000 miles traveled**, or as specified in your motorcycle's service manual, whichever comes first. Periodically inspect the filter for excessive dirt, debris, or damage, especially if riding in dusty conditions. A clogged or damaged air filter can lead to reduced engine power, decreased fuel economy, and potential engine damage.

## 6. Troubleshooting

If you experience issues such as reduced engine performance, decreased fuel efficiency, or unusual engine noises after air filter replacement, consider the following:

- **Incorrect Installation:** Ensure the air filter is correctly seated and the airbox cover is properly sealed. Any gaps can allow unfiltered air to enter.
- **Wrong Filter Type:** Verify that the installed filter is the correct model for your specific motorcycle (refer to the compatibility section).
- **Other Issues:** If the problem persists, the issue may not be related to the air filter. Consult your motorcycle's service manual or a qualified mechanic for further diagnosis and assistance.

## 7. Specifications

Key specifications for the MotoMaster Motorcycle Air Filter (Model 5VX-14451-00):

- **Brand:** MotoMaster
- **Item Model Number:** 5VX-14451-00
- **OEM Part Number:** 5VX-14451-00
- **Manufacturer Part Number:** 303-566
- **Item Weight:** Approximately 0.704 ounces (20 grams)
- **Package Dimensions:** Approximately 14.96 x 6.97 x 1.46 inches (38 x 17.7 x 3.7 cm)
- **Fit Type:** Vehicle Specific Fit



Image 4: MotoMaster Motorcycle Air Filter displaying its approximate dimensions in centimeters and inches.

## 8. Warranty and Support

Specific warranty details for this product are not provided in this manual. For any questions regarding this MotoMaster air filter, including compatibility, installation, or performance concerns, please contact MotoMaster customer support through your retailer or the official MotoMaster website. Our team is available to assist you with any inquiries.