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› QYMOTO CFMOTO Inline Fuel Filter Kit Instruction Manual

QYMOTO zforce cforce 500 800 950 1000 300nk 650nk

QYMOTO CFMOTO Inline Fuel Filter Kit Instruction Manual

Model: zforce cforce 500 800 950 1000 300nk 650nk

1. INTRODUCTION

This manual provides essential information for the installation, maintenance, and troubleshooting of your QYMOTO CFMOTO Inline Fuel Filter Kit. This fuel filter is designed to effectively filter impurities from gasoline, thereby enhancing engine performance and protecting the fuel injection system of your vehicle. Proper installation and regular maintenance are crucial for optimal vehicle operation and longevity.

2. PRODUCT COMPONENTS

The QYMOTO CFMOTO Inline Fuel Filter Kit includes the following components:

- 1 × CFMOTO Inline Fuel Filter
- 1 × Rubber Holder



Image: The inline fuel filter and its accompanying rubber holder, shown separately.





Image: A vertical view of the QYMOTO inline fuel filter, highlighting its cylindrical shape and metal construction.



Image: A close-up view of the black rubber holder, designed to secure the fuel filter in place.

3. COMPATIBILITY

This QYMOTO Inline Fuel Filter Kit (Replacement Part Number: 6090-120220) is compatible with a wide range of CFMOTO CFORCE and ZFORCE models, as well as specific motorcycles. Please verify your vehicle's model and year for exact compatibility.

Compatible Models:

- CFMOTO ZFORCE 500, 800, 950, 1000 series
- CFMOTO CFORCE 400, 500, 800 series
- CFMOTO Motorcycle 300NK, 650NK
- Specific models including: UFORCE 600 (2011-2014), X6 (CFORCE 600) (2012-2014), ZFORCE 600 (2012-2015), CFORCE 500 (2013-2016), MOTORCYCLE 650 NK/TK (2013-2015), X8 (CFORCE) (2013-2016), ZFORCE 800 EX/Trail (2014-2018), CFORCE 400 (2016-2018), ZFORCE 500 (2016-2018), ZFORCE 1000 (2018-2019), ZFORCE 950 Sport (2020-2022), 300NK/SS (2022-2024), 650 ADVentura (2022-2023), PAPIO 125 (2022-2023), ZFORCE 950 HO EX/Sport (2023-2024).



Fitment

***CFMOTO Zforce 500 800 950 1000,
Cforce 400 500 800,300NK,650NK.***



Image: The fuel filter positioned in front of various CFMOTO vehicles, visually representing its broad compatibility.

4. INSTALLATION GUIDE

Safety First: Before beginning any work on your vehicle's fuel system, ensure the engine is off and cool. Disconnect the battery's negative terminal. Work in a well-ventilated area and have a fire extinguisher nearby. Fuel is highly flammable.

Steps for Fuel Filter Replacement:

1. **Locate the Old Filter:** Identify the current inline fuel filter on your CFMOTO vehicle. It is typically located between the fuel tank and the engine.
2. **Relieve Fuel Pressure:** Consult your vehicle's service manual for the specific procedure to relieve fuel system pressure. This is a critical safety step.
3. **Prepare for Fuel Spillage:** Place a drain pan or absorbent rags beneath the filter to catch any residual fuel that may spill during removal.
4. **Remove Clamps:** Loosen and remove the clamps securing the fuel lines to both ends of the old filter.

5. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the old filter. Be prepared for some fuel to leak out.
6. **Remove Old Filter:** Detach the old fuel filter from its mounting bracket or rubber holder.
7. **Install New Filter:** Observe the flow direction indicated on the new QYMOTO fuel filter. The "IN" side should connect to the fuel line coming from the tank, and the "OUT" side should connect to the fuel line going towards the engine. Secure the new filter using the provided rubber holder and reattach the fuel lines.
8. **Secure Clamps:** Re-tighten the fuel line clamps to ensure a secure, leak-free connection. Consider using new clamps if the old ones are corroded or damaged.
9. **Check for Leaks:** Reconnect the battery. Turn the ignition to the "ON" position (without starting the engine) for a few seconds to allow the fuel pump to prime the system. Check all connections for any signs of fuel leaks. Repeat this step if necessary.
10. **Start Engine:** Once you confirm there are no leaks, start the engine and allow it to run for a few minutes, checking again for any leaks.



Image: A view of both ends of the fuel filter, clearly indicating the "IN" and "OUT" ports for correct installation direction.

5. MAINTENANCE

Regular replacement of your fuel filter is essential for maintaining optimal engine performance and preventing damage to your fuel system components. Over time, fuel filters can become clogged with contaminants, restricting fuel flow and potentially leading to engine issues.

- **Replacement Interval:** Refer to your vehicle's manufacturer service manual for recommended fuel filter replacement intervals. This typically ranges from every 10,000 to 30,000 miles, or annually, depending on usage and fuel quality.
- **Signs of a Clogged Filter:** Symptoms may include reduced engine power, hesitation during acceleration, rough idling, difficulty starting, or a noticeable decrease in fuel efficiency.
- **Benefits of Regular Replacement:** Ensures clean fuel delivery to the engine, protects fuel injectors and pump from debris, maintains optimal engine performance, and improves fuel economy.

6. TROUBLESHOOTING

If you experience issues after installing the new fuel filter, consider the following common problems and solutions:

- **Engine Not Starting or Rough Idling:**
 - **Check Fuel Flow Direction:** Ensure the filter is installed with the correct "IN" and "OUT" orientation. Incorrect installation will prevent fuel flow.
 - **Check for Air in Fuel Lines:** After replacement, air can be trapped in the fuel lines. Cycle the ignition a few times (without starting) to allow the fuel pump to push air out.
 - **Verify Connections:** Ensure all fuel lines are securely attached and clamps are tight to prevent air leaks or fuel leaks.
- **Fuel Leaks:**
 - **Inspect Connections:** Re-check all fuel line connections to the filter. Ensure they are fully seated and the clamps are properly tightened.
 - **Damaged Fuel Lines:** Inspect the fuel lines themselves for cracks or damage that might have occurred during removal or installation.
- **Reduced Power or Hesitation:**
 - **Incorrect Filter Type:** While this filter is compatible with many models, ensure it is the correct specification for your exact vehicle.
 - **Residual Contaminants:** If the fuel system was very dirty, some debris might have passed through before the new filter could catch it, potentially affecting other components.

If problems persist, it is recommended to consult a qualified mechanic or your vehicle's service center.

7. SPECIFICATIONS

Attribute	Detail
Brand	QYMOTO
Product Grade	Performance, Replacement Part
Vehicle Service Type	Motorcycle, ATV, UTV
Item Weight	0.08 Kilograms (approx. 2.85 ounces)
Style	Compatible
Manufacturer Part Number	CFMOTO inline fuel filter (Replacement: 6090-120220)
Product Dimensions	3.2 x 1.6 x 1.6 inches
Country of Origin	China

8. WARRANTY AND SUPPORT

QYMOTO is committed to providing quality products and customer satisfaction. For any questions regarding this product, installation assistance, or warranty inquiries, please contact QYMOTO customer support through the retailer where the product was purchased. Please retain your proof of purchase for any warranty claims.

For more information about QYMOTO products, you may visit the[QYMOTO Store on Amazon](#).

