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WgxzXyl WgxzXyl123

Fuel Filter 6090-120220 User Manual

Brand: WgxzXyl | Model: 6090-120220

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the WgxzXyl Fuel Filter, part number 6090-120220. This fuel filter is designed for various CFMoto ATV, UTV, and SSV models, including CForce 400, 450, 400S, 450S, 400L, 450L, CF400ATR, CF400AU, and other compatible models as listed in the specifications.

The fuel filter plays a critical role in protecting your engine by effectively removing impurities and contaminants from the fuel supply, ensuring clean fuel reaches the engine for optimal performance and longevity.



Figure 1: WgxzXyl Fuel Filter 6090-120220, showing the filter assembly with the black rubber sleeve attached. This is the primary view of the product.

2. KEY FEATURES

- **Compatibility:** Suitable for CFMoto CForce 400, 450 and its various sub-models, ensuring seamless matching.
- **High Filtration Efficiency:** Effectively removes impurities and contaminants in the oil circuit to protect engine operation.
- **Durable Materials:** Constructed from robust materials to ensure long-term reliability and resistance to damage.
- **Easy Installation:** Designed for straightforward replacement, suitable for DIY users, saving time and effort.
- **Improved Performance:** Helps maintain a clean fuel system, contributing to enhanced overall engine performance and efficiency.

3. INSTALLATION (SETUP)

Replacing a fuel filter requires caution due to the presence of flammable fuel. Ensure the engine is cool and the vehicle is on a stable, level surface. It is recommended to wear appropriate safety gear, including eye protection and gloves.

3.1. Tools Required

- Wrenches (appropriate size for fuel line fittings)
- Hose clamps or pliers (if applicable)
- Drain pan or container for fuel
- Shop rags
- Safety glasses and gloves

3.2. Installation Steps

1. **Locate the Fuel Filter:** Refer to your vehicle's service manual for the exact location of the fuel filter. It is typically found along the fuel line, often near the fuel tank or engine.
2. **Relieve Fuel System Pressure:** Before disconnecting any fuel lines, it is crucial to relieve pressure in the fuel system. Consult your vehicle's service manual for the specific procedure, which may involve removing a fuel pump fuse or relay and cranking the engine.
3. **Disconnect Battery:** For safety, disconnect the negative terminal of the vehicle's battery.
4. **Prepare for Fuel Spillage:** Place a drain pan or absorbent rags beneath the fuel filter to catch any residual fuel that may spill during disconnection.
5. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from both ends of the old filter. Be prepared for some fuel leakage. Note the direction of fuel flow (usually indicated by an arrow on the filter) to ensure the new filter is installed correctly.
6. **Remove Old Filter:** Unmount the old fuel filter from its bracket or mounting points.
7. **Install New Filter:** Position the new WgxzXyl 6090-120220 fuel filter in the correct orientation, matching the fuel flow direction. Secure it to its mounting bracket.
8. **Connect Fuel Lines:** Reconnect the fuel lines to the new filter, ensuring all connections are tight and secure to prevent leaks.
9. **Reconnect Battery:** Reconnect the negative terminal of the battery.
10. **Check for Leaks:** 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 for any fuel leaks around the new filter connections. Repeat this step a few times.
11. **Start Engine:** Start the engine and let it run for a few minutes, continuously checking for leaks. If no leaks are present, the installation is complete.



Figure 2: Individual components of the fuel filter, showing the filter body and the separate rubber sleeve. This illustrates how the parts are assembled.

4. OPERATION

The WgxzXyl Fuel Filter 6090-120220 operates passively within your vehicle's fuel system. Its primary function is to filter out contaminants such as dirt, rust, and debris from the fuel before it reaches the fuel pump and injectors. This ensures that only clean fuel is delivered to the engine, preventing damage to sensitive fuel system components and maintaining optimal combustion efficiency.

Proper operation of the fuel filter is crucial for:

- Protecting fuel injectors from clogging and wear.
- Maintaining consistent fuel pressure and flow.
- Ensuring efficient engine performance and fuel economy.
- Preventing engine misfires or stalling due to contaminated fuel.

5. MAINTENANCE

Regular maintenance of your fuel filter is essential for the longevity and performance of your vehicle's engine. Over time, the filter can become clogged with accumulated contaminants, restricting fuel flow and potentially leading to engine issues.

5.1. Inspection and Replacement Schedule

The recommended replacement interval for fuel filters varies by vehicle manufacturer and driving conditions. Always refer to your vehicle's owner's manual or service schedule for specific recommendations. As a general guideline, fuel filters are often recommended for replacement every 20,000 to 60,000 miles, or every 2-4 years, whichever comes first.

Consider more frequent replacement if you:

- Frequently drive in dusty or dirty environments.
- Use lower quality fuel.
- Notice any symptoms of a clogged fuel filter (see Troubleshooting section).

5.2. Importance of Genuine Parts

Using a high-quality replacement filter like the WgxzXyl 6090-120220 ensures proper fitment and filtration efficiency, protecting your vehicle's fuel system as intended by the manufacturer.

6. TROUBLESHOOTING

A clogged or faulty fuel filter can manifest in several ways, impacting engine performance. If you experience any of the following symptoms, consider inspecting or replacing your fuel filter:

- **Engine Misfires or Stalls:** Insufficient fuel delivery can cause the engine to run rough, misfire, or stall, especially under acceleration.
- **Reduced Engine Power:** A restricted fuel flow can lead to a noticeable decrease in acceleration and overall engine power.
- **Difficulty Starting:** The engine may crank for an extended period before starting, or may not start at all, if fuel pressure is too low.
- **Poor Fuel Economy:** While less common, a severely clogged filter can sometimes cause the engine to work harder, leading to decreased fuel efficiency.
- **Check Engine Light:** In some modern vehicles, a severely restricted fuel filter might trigger a "Check Engine" light, indicating a fuel system issue.

If these symptoms persist after replacing the fuel filter, it is recommended to consult a qualified mechanic for further diagnosis.

7. SPECIFICATIONS

Attribute	Value
Part Number	6090-120220
Brand	WgxzXyl
Model Number	WgxzXyl123
Compatibility	CFMoto ATV/UTV/SSV (CForce 400, 450, 400S, 450S, 400L, 450L, CF400ATR, CF400AU, etc.)
Included Components	6090-120221 Rubber Sleeve, Fuel Filter (EFI); 805A-120004 Fuel Filter (EFI)
Material	Paper (filter media)
Item Weight	1.76 ounces (50 Grams)
Package Dimensions	1.18 x 0.79 x 0.39 inches

6090-120220



Figure 3: WgxzXyl Fuel Filter 6090-120220 with the part number clearly visible, confirming the model.

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support for the WgxzXyl Fuel Filter 6090-120220 is not provided in this manual. For any warranty claims, technical assistance, or support inquiries, please refer to the product packaging or contact the seller directly.