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XYZIL Fuel Filter RE533026 233-9856 Instruction Manual

For Models: John Deere 318D, 319D, 320D, 323D, 326D, 328D, 329D, 332D, 333D, 244J, 304J, 324J; Skid Steer Loader 236B, 246C, 262C, 272C

INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the XYZIL Fuel Filter RE533026 233-9856. This component is designed to separate water and particulate contaminants from fuel, ensuring clean fuel delivery to the engine and protecting critical fuel system components. Adherence to these instructions will help ensure optimal performance and longevity of the fuel filter and the associated machinery.



Figure 1: XYZIL Fuel Filter RE533026 233-9856. This image shows the main view of the yellow fuel filter with black cap and silver base, displaying part numbers and 'Fuel/Water Separator' text.

SAFETY INFORMATION

Always prioritize safety when working with fuel systems. Failure to follow safety precautions can result in serious injury or property damage.

- **Fuel Flammability:** Fuel is highly flammable. Keep away from open flames, sparks, and other ignition sources. Do not smoke while working on the fuel system.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling fuel vapors.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses and fuel-resistant gloves, to protect against fuel splashes and skin contact.
- **Pressure Release:** Before disconnecting any fuel lines, ensure the fuel system pressure is relieved

according to the machinery manufacturer's service manual.

- **Spill Containment:** Have absorbent materials readily available to contain any fuel spills. Dispose of contaminated materials properly.
- **Battery Disconnection:** Disconnect the battery's negative terminal before starting work to prevent accidental engine cranking or electrical shorts.

INSTALLATION INSTRUCTIONS

The following steps outline the general procedure for replacing the fuel filter. Refer to your specific machinery's service manual for detailed instructions and torque specifications.

1. **Preparation:** Park the machinery on a level surface, engage the parking brake, and turn off the engine. Allow the engine to cool. Disconnect the negative battery cable.
2. **Locate Filter:** Identify the existing fuel filter/water separator. Place a suitable drain pan beneath the filter to collect any spilled fuel.
3. **Drain Fuel/Water:** If the old filter has a drain valve, open it to drain any accumulated water and fuel into the pan. Close the valve once drained.
4. **Remove Old Filter:** Using an appropriate filter wrench, carefully unscrew the old fuel filter counter-clockwise. Be prepared for additional fuel spillage. Dispose of the old filter according to local environmental regulations.
5. **Prepare New Filter:**



Figure 2: Bottom view of the fuel filter. This image shows the bottom of the filter, highlighting the central opening for fuel flow and the rubber gasket that seals against the filter housing.

Apply a thin film of clean diesel fuel or engine oil to the new filter's gasket. This ensures a proper seal and facilitates future removal. Do not over-tighten the gasket.

6. **Install New Filter:**



Figure 3: Top view of the fuel filter. This image displays the top of the filter, including the black cap and the central connection point, which is crucial for proper installation and sealing.

Carefully screw the new filter onto the filter head clockwise until the gasket makes contact. Then, tighten the filter an additional 3/4 to 1 full turn by hand, or as specified by the machinery manufacturer. Do not use a filter wrench for final tightening unless explicitly instructed.

- 7. Prime Fuel System:** Reconnect the negative battery cable. Prime the fuel system according to the machinery manufacturer's instructions. This typically involves cycling the ignition key or using a manual primer pump until fuel flows freely and air is expelled.
- 8. Check for Leaks:** Start the engine and allow it to run for several minutes. Carefully inspect the new filter and surrounding connections for any signs of fuel leaks. If leaks are detected, shut off the engine immediately and re-check the installation.

The XYZIL Fuel Filter RE533026 233-9856 functions as a fuel/water separator. Its primary role is to remove both solid contaminants (like dirt, rust, and debris) and water from the fuel before it reaches sensitive engine components such as the fuel pump and injectors. Water in the fuel system can cause corrosion, reduce lubrication, and lead to engine damage. The filter uses a specialized media to coalesce water droplets, allowing them to settle at the bottom of the filter bowl (if equipped) for drainage, while the clean fuel passes through to the engine.

MAINTENANCE

Regular maintenance of your fuel filter is crucial for maintaining engine performance and preventing costly repairs.

- **Inspection:** Periodically inspect the fuel filter for signs of damage, leaks, or excessive contamination. A discolored filter housing or visible debris may indicate a need for replacement.
- **Water Drainage:** If your filter assembly includes a water drain valve (as shown in Figure 3), regularly drain accumulated water. The frequency depends on fuel quality and operating conditions. Refer to your machinery's service manual for recommended intervals. To drain, place a suitable container under the drain valve, open the valve, and allow water to drain until clean fuel appears. Close the valve securely.
- **Replacement Schedule:** Replace the fuel filter at the intervals recommended by your machinery manufacturer. Operating conditions, such as dusty environments or poor fuel quality, may necessitate more frequent replacement.

TROUBLESHOOTING

If you experience issues related to fuel delivery, consider the following common problems and solutions:

Symptom	Possible Cause	Action
Engine hard to start or won't start	Clogged fuel filter, air in fuel system	Replace filter, prime fuel system
Loss of engine power or sputtering	Partially clogged fuel filter, water in fuel	Replace filter, drain water from separator
Visible fuel leaks around filter	Improperly installed filter, damaged gasket	Check filter tightness, replace filter if gasket is damaged
Excessive water in fuel system	Infrequent water drainage, contaminated fuel source	Increase drainage frequency, check fuel source, replace filter

If troubleshooting steps do not resolve the issue, consult a qualified service technician.

SPECIFICATIONS

- **Part Numbers:** RE533026, 233-9856, P551432, FS19991, WF10031
- **Brand:** XYZIL
- **Product Grade:** Replacement Part
- **Vehicle Service Type:** Tractor, Skid Steer Loader, Construction & Industrial
- **Item Diameter:** Approximately 3.19 Inches

- **Item Weight:** Approximately 10.72 ounces
- **Compatible John Deere Tractor Models:** 4520, 4720, 5065M, 5075M
- **Compatible John Deere Skid Steer Loader Models:** 318D, 319D, 320D, 323D, 326D, 328D, 329D, 332D, 333D
- **Compatible Skid Steer Loader Models:** 236B, 246C, 262C, 272C
- **Compatible John Deere Construction & Industrial Models:** 244 (J), 304 (J), 324 (J)

WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries, please contact your product supplier or the XYZIL customer service department. When contacting support, please have your product model number (RE533026 233-9856) and purchase information available.