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› [Aries Fuel Filter Bowl Assembly \(Part No. 32/925708\) User Manual](#)

**Aries 32/925708**

# Aries Fuel Filter Bowl Assembly (Part No. 32/925708) User Manual

**Brand:** Aries | **Model:** 32/925708

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Aries Fuel Filter Bowl Assembly, Part No. 32/925708. This component is designed for use in various JCB backhoe models. It is crucial to verify compatibility with your specific machine's parts manual before installation.

For any uncertainties regarding compatibility, please consult your machine's serial number (VIN) with a qualified technician or supplier.

## 2. PRODUCT OVERVIEW

The Fuel Filter Bowl Assembly is a critical component in the fuel system, designed to house the fuel filter element and separate water or contaminants from the fuel before it reaches the engine. This ensures clean fuel delivery, protecting engine components and maintaining optimal performance.



*Figure 2.1: Front view of the Aries Fuel Filter Bowl Assembly. This image shows the transparent yellow bowl, black threaded cap, and the outlet pipe.*



Figure 2.2: The Fuel Filter Bowl Assembly displayed with its accompanying O-ring, essential for a proper seal during installation.

#### Key Features:

- Designed for JCB backhoe applications.
- Ensures filtration of fuel to protect engine.
- Constructed to meet OEM standards.

### 3. SETUP AND INSTALLATION

Proper installation is crucial for the effective operation of the fuel filter bowl assembly. Always refer to your specific JCB machine's service manual for detailed, model-specific installation procedures. The following steps are general guidelines:

1. **Safety First:** Ensure the machine is turned off, cooled down, and depressurized. Disconnect the battery to prevent accidental starting.
2. **Drain Fuel:** If replacing an existing bowl, drain any fuel from the old filter housing into an approved container.
3. **Remove Old Assembly:** Carefully detach the old fuel filter bowl assembly, noting the orientation of all components and connections.
4. **Inspect Components:** Before installing the new assembly, inspect all mating surfaces for cleanliness

and damage. Ensure the new O-ring (if supplied) is correctly seated.

5. **Install New Assembly:** Position the new Aries Fuel Filter Bowl Assembly (Part No. 32/925708) according to your machine's manual. Hand-tighten first, then use appropriate tools to secure it to the specified torque. *Do not overtighten.*
6. **Reconnect Fuel Lines:** Reattach all fuel lines securely.
7. **Bleed Air:** Follow your machine's manual to bleed air from the fuel system after installation. This is critical for proper engine starting and operation.
8. **Check for Leaks:** After bleeding and before operating the machine under load, start the engine and carefully check for any fuel leaks around the new assembly.



Figure 3.1: Bottom view of the fuel filter bowl assembly, showing the threaded connection point for mounting.

## 4. OPERATION

The fuel filter bowl assembly operates passively as part of the fuel system. Its primary function is to separate water and sediment from the fuel. Regular monitoring of the fuel system, including the filter bowl, is part of standard machine operation.

### Important Considerations:

- **Visual Inspection:** Periodically inspect the transparent bowl for accumulated water or contaminants.

- **Water Draining:** If water is visible, follow your machine's manual for the procedure to drain water from the fuel filter bowl. This typically involves opening a drain valve at the bottom of the bowl.
- **Fuel Quality:** Always use clean, high-quality fuel to minimize contamination and extend the life of the filter and bowl.

## 5. MAINTENANCE

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Regular maintenance of the fuel filter bowl assembly is essential for the longevity and performance of your JCB machine. Refer to your machine's maintenance schedule for specific intervals.

1. **Filter Element Replacement:** The fuel filter element housed within this bowl should be replaced at recommended intervals. Consult your machine's service manual for the correct filter type and replacement procedure.
2. **Bowl Cleaning:** When replacing the filter element, it is good practice to thoroughly clean the fuel filter bowl. Remove any sediment or debris.
3. **Seal Inspection:** Always inspect the O-rings and seals for cracks, wear, or damage during maintenance. Replace them if necessary to prevent leaks.
4. **Tightening:** Ensure all connections are properly tightened after maintenance, but avoid overtightening which can damage components.



Figure 5.1: Top view of the fuel filter bowl assembly, showing the inlet/outlet ports and the central bolt for securing the filter element.

## 6. TROUBLESHOOTING

This section addresses common issues related to the fuel filter bowl assembly. For complex problems, consult a qualified technician.

- **Fuel Leaks:**

- **Cause:** Improperly tightened connections, damaged O-ring, cracked bowl.
- **Solution:** Check tightness of connections. Inspect and replace O-rings if worn or damaged. If the bowl is cracked, it must be replaced.

- **Engine Performance Issues (e.g., loss of power, rough running):**

- **Cause:** Clogged fuel filter element, water in fuel.
- **Solution:** Replace the fuel filter element. Drain water from the fuel filter bowl. Ensure fuel quality.

- **Difficulty Starting:**

- **Cause:** Air in the fuel system after filter replacement, severely clogged filter.
- **Solution:** Bleed the fuel system according to your machine's manual. Replace the fuel filter element if severely clogged.

## 7. SPECIFICATIONS

Attribute	Detail
Part Number	32/925708
Brand	Aries
Manufacturer	Kabal Parts
Product Dimensions	5.91 x 5.91 x 3.15 inches
Vehicle Service Type	JCB Backhoe (Vehicle Specific)

## 8. WARRANTY INFORMATION

Specific warranty details for the Aries Fuel Filter Bowl Assembly (Part No. 32/925708) are provided by the manufacturer, Kabal Parts, or your point of purchase. Please retain your proof of purchase for any warranty claims.

For detailed warranty terms and conditions, please contact the seller or manufacturer directly.

## 9. CUSTOMER SUPPORT

For technical assistance, installation guidance, or troubleshooting beyond the scope of this manual, please contact your authorized Aries dealer or the supplier from whom the product was purchased.

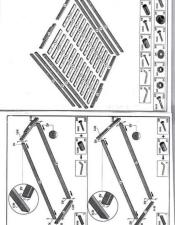
When contacting support, please have the following information ready:

- Product Part Number: 32/925708
- Your JCB Machine Serial Number (VIN)
- Date of Purchase
- Detailed description of the issue

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*Disclaimer: OEM Part Numbers mentioned are for reference purposes only. This product is not implied to be a product of JCB unless specifically stated as Genuine.*

## Related Documents - 32/925708

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User manual for the ARS25PL Semi-Rotary Machine by D.P.R. srl, detailing installation, operation, technical specifications, software, and safety for label finishing and die-cutting.