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Complete Tractor FF2004

Complete Tractor FF2004 Fuel Filter Instruction Manual

Model: FF2004

1. PRODUCT OVERVIEW

The Complete Tractor FF2004 Fuel Filter is designed as a replacement part for various agricultural and construction machinery, specifically for diesel applications. This filter plays a crucial role in protecting the engine by removing contaminants from the fuel, ensuring clean fuel delivery and optimal engine performance. It features a drain for convenience.



Image 1: Top view of the FF2004 Fuel Filter, highlighting the connection points and sealing gasket.

Key features of the FF2004 Fuel Filter include:

- Designed for diesel applications.

- Equipped with a drain for easy maintenance.
- Constructed from durable metal for longevity.
- Meets OEM quality standards for reliable performance.

2. COMPATIBILITY

The FF2004 Fuel Filter is compatible with a wide range of agricultural and construction equipment from various manufacturers. Please verify your equipment's specific requirements and existing part numbers before installation.

Compatible Brands and Models:

- **Allis Chalmers:** 7085, 7190
- **Case/International Harvester:** 1400 Cotton Picker, 1420 Combine, 1620 Combine, 275 Windrower, 3088, 3220, 3230, 3288, 375 Windrower, 380B Indust/Const, 385, 395, 4210, 4230, 4240, 454, 464, 484, 485, 495, 5000 Windrower, 544, 574, 584 Indust/Const, 595, 616 Cotton Picker, 622 Cotton Picker, 664, 674, 684, 685, 686, 695, 706, 715 Combine, 756, 782 Cotton Picker, 784, 786, 826, 884, 885, 886, 895, 995, D179 Eng, D206 Eng, D239 Eng, D310 Eng, D358 Eng, Hydro 84, Hydro 86, IHC Eng

Replacement Part Numbers:

- **Allis Chalmers:** 1174482
- **Baldwin:** BF7591D
- **Case/International Harvester:** 1967094C1, 3132428R1, 3132428R2
- **Fleetguard:** FF214, FF5171

3. SPECIFICATIONS

Attribute	Detail
Product Grade	Replacement Part
Outer Material	Metal
Vehicle Service Type	Tractor
OEM Part Number	FF2004
UPC	611188623624
Product Dimensions	1 x 1 x 1 inches
Item Weight	15.7 ounces

4. INSTALLATION (SETUP)

Replacing a fuel filter requires careful attention to detail and safety. It is recommended that installation be performed by a qualified technician or individuals with experience in vehicle maintenance. Always refer to your equipment's specific service manual for detailed, model-specific instructions.

General Guidelines:

1. **Safety First:** Ensure the engine is off and cool. Disconnect the battery to prevent accidental starts. Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
2. **Locate the Filter:** Identify the current fuel filter on your equipment. It is typically located in the fuel line between the fuel tank and the engine.
3. **Prepare for Fuel Spillage:** Place a drain pan or absorbent material beneath the filter to catch any spilled fuel. Fuel systems are pressurized, and fuel will leak when lines are disconnected.
4. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the old filter. Use appropriate tools to avoid damaging the lines or fittings.
5. **Remove Old Filter:** Unscrew or unclip the old filter from its mounting bracket.
6. **Install New Filter:** Ensure the new FF2004 filter is oriented correctly according to flow direction arrows (if present). Apply a thin layer of clean diesel fuel or engine oil to the new filter's gasket to ensure a proper seal.
7. **Reconnect Fuel Lines:** Securely attach the fuel lines to the new filter. Double-check all connections to prevent leaks.
8. **Prime the System:** After installation, it may be necessary to prime the fuel system to remove air. Consult your equipment's manual for the correct priming procedure.
9. **Check for Leaks:** Reconnect the battery. Turn the ignition to the "on" position (without starting the engine) to allow the fuel pump to pressurize the system. Inspect all connections for any signs of fuel leaks. Start the engine and re-check for leaks.



Image 2: Top-down view of the FF2004 Fuel Filter, illustrating the connection interface.

5. OPERATION

Once installed, the FF2004 Fuel Filter operates continuously to filter diesel fuel as it flows from the fuel tank to the engine. Its primary function is to trap contaminants such as dirt, rust, and water, preventing them from reaching sensitive engine components like fuel injectors and the fuel pump. This ensures clean fuel combustion, maintains engine efficiency, and prolongs the lifespan of the fuel system.

6. MAINTENANCE

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

Recommended Maintenance:

- **Replacement Schedule:** Consult your equipment's owner's manual for the recommended fuel filter replacement interval. This typically varies based on operating hours, fuel quality, and environmental conditions.
- **Signs of a Clogged Filter:** Be aware of symptoms that may indicate a clogged fuel filter, such as reduced engine power, difficulty starting, rough idling, or increased fuel consumption.
- **Drain Water/Sediment:** The FF2004 filter features a drain. Periodically drain any accumulated water or sediment from the filter bowl (if applicable to your setup) as per your equipment's maintenance schedule.





Image 3: Side view of the FF2004 Fuel Filter, illustrating the overall cylindrical shape and branding.

7. TROUBLESHOOTING

If you experience issues related to fuel delivery or engine performance after installing or during the use of the FF2004 Fuel Filter, consider the following troubleshooting steps:

- **Engine Cranks but Won't Start:**

- Check for proper fuel flow to the engine.
- Ensure the fuel system is properly primed and free of air.
- Verify that the filter is not clogged (if it's an old filter).

- **Loss of Engine Power or Hesitation:**

- A restricted fuel filter can cause insufficient fuel delivery. Consider replacing the filter if it's due for maintenance.

- **Fuel Leaks:**

- Immediately shut down the engine.
- Inspect all fuel line connections to the filter for tightness.
- Ensure the filter gasket is properly seated and not damaged.

- **Unusual Engine Noises:**

- While less common for fuel filters, severe fuel starvation can lead to engine strain.

If troubleshooting steps do not resolve the issue, it is advisable to consult a professional mechanic or the equipment manufacturer's service department.

8. WARRANTY INFORMATION

The Complete Tractor FF2004 Fuel Filter comes with a **1-year warranty**. This warranty covers the product throughout typical planting and harvesting seasons, ensuring peace of mind regarding its quality and performance. For specific terms and conditions of the warranty, please refer to the official Complete Tractor warranty policy or contact customer support.

9. SUPPORT

For further assistance, technical inquiries, or warranty claims regarding your Complete Tractor FF2004 Fuel Filter, please contact Complete Tractor customer support. You can typically find contact information on the manufacturer's official website or through your original point of purchase.

Note: Always provide your product model number (FF2004) and any relevant purchase details when contacting support.

