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› Motorcraft FD-4615 Fuel Filter: Installation and Maintenance Guide

Motorcraft FD-4615

Motorcraft FD-4615 Fuel Filter: Installation and Maintenance Guide

Model: FD-4615 | Brand: Motorcraft

INTRODUCTION

This manual provides essential information for the Motorcraft FD-4615 Fuel Filter, a premium aftermarket replacement part designed for Ford, Lincoln, and Mercury diesel vehicles. It is engineered to ensure optimal fuel filtration and engine performance, protecting critical fuel system components from contaminants.

PRODUCT OVERVIEW

The Motorcraft FD-4615 Fuel Filter kit includes both the primary fuel filter and the canister insert, along with necessary O-rings for a complete replacement. These components work together to provide comprehensive fuel filtration.



Image: The Motorcraft FD-4615 Fuel Filter kit, showing the primary filter, canister insert, and a green O-ring.



Fuel Filter

Filtre à carburant

Filtro para combustible

Recommended by Ford Motor Company for use in your Power Stroke® Diesel engine.
Recommandé par Ford Motor Company pour être utilisées dans votre moteur Diesel Power Stroke®.
Recomendado por Ford Motor Company para utilizarse en su motor Power Stroke® Diesel.



FD-4615
BC3Z-9N184-B

motorcraft.com

Image: The Motorcraft FD-4615 Fuel Filter packaging, displaying the Ford and Motorcraft logos, model number FD-4615, and part number BC3Z-9N184-B.

SETUP AND INSTALLATION

The Motorcraft FD-4615 Fuel Filter kit is designed for straightforward installation. It includes two main components: the top-mounted fuel filter and the canister insert located underneath the vehicle frame.

Components Included:

- Top-mounted fuel filter
- Canister insert fuel filter
- New O-ring for the canister insert

General Installation Steps:

1. Ensure the vehicle is safely parked on a level surface with the engine off and cool.
2. Locate the fuel filter housing for both the top-mounted filter and the under-frame canister.
3. Follow vehicle-specific procedures to relieve fuel pressure and drain any fuel from the filter housings.
4. Remove the old filters and O-rings.

5. Install the new Motorcraft FD-4615 filters, ensuring the new O-ring is properly seated for the canister insert.
6. Reconnect all fuel lines and secure the filter housings.
7. Prime the fuel system according to your vehicle's service manual to remove air.
8. Start the engine and check for any fuel leaks.

For detailed, vehicle-specific installation instructions, refer to your vehicle's service manual or consult a certified technician.

FUNCTION OF THE FUEL FILTER

The Motorcraft FD-4615 Fuel Filter is a critical component in your vehicle's fuel system. It is engineered to remove contaminants, such as dirt, rust, and other debris, from the fuel before it reaches the engine's fuel injectors. This ensures clean fuel delivery, which is vital for maintaining optimal engine performance, fuel efficiency, and extending the lifespan of sensitive fuel system components.

MAINTENANCE

Regular replacement of your fuel filters is essential for the longevity and performance of your diesel engine. Motorcraft recommends adhering to the maintenance schedule outlined in your vehicle's owner's manual. Using genuine Motorcraft filters ensures compatibility and performance designed specifically for Ford, Lincoln, and Mercury vehicles.

- **Recommended Interval:** Refer to your vehicle's owner's manual for specific replacement intervals.
- **Benefits of Genuine Parts:** Motorcraft filters are manufactured from first-quality materials, chosen for maximum performance and application suitability, providing reliable filtration and protection.

Neglecting fuel filter replacement can lead to reduced engine power, decreased fuel economy, and potential damage to the fuel injection system.

TROUBLESHOOTING COMMON ISSUES

If you experience issues after fuel filter replacement, consider the following:

- **Engine Stalling or Rough Idling:** This could indicate air in the fuel system or an improperly seated filter. Ensure the fuel system is properly primed after installation.
- **Reduced Engine Performance:** A clogged or improperly installed filter can restrict fuel flow. Verify correct installation and ensure no blockages.
- **Fuel Leaks:** Check all connections and O-rings for proper seating and tightness. Ensure the O-ring for the canister insert is new and correctly installed.
- **Incorrect Part Fitment:** Always verify that the part number (FD-4615) matches your vehicle's requirements. Using non-OEM or incorrect parts can lead to fitment issues and system failures.

If problems persist, it is recommended to consult a certified automotive technician.

SPECIFICATIONS

Feature	Detail
Model	FD-4615

Feature	Detail
Brand	Motorcraft
Part Number	FD4615 (BC3Z-9N184-B)
Product Grade	Performance Part, Replacement Part
Outer Material	Metal or Plastic
Vehicle Service Type	Truck (Ford, Lincoln, Mercury diesel vehicles)
Item Weight	8 ounces
Product Dimensions	2.6 x 2.6 x 6.8 inches
UPC	031508563186
First Available	October 30, 2010

WARRANTY INFORMATION

The Motorcraft FD-4615 Fuel Filter comes with a two-year unlimited mileage warranty, which includes labor and has no commercial exceptions. For specific warranty claims or details, please refer to the official Motorcraft warranty documentation or contact Motorcraft customer service.

SUPPORT AND CONTACT INFORMATION

For further assistance, technical support, or inquiries regarding the Motorcraft FD-4615 Fuel Filter, please visit the official Motorcraft website or contact a certified Ford, Lincoln, or Mercury service center. Always ensure that any maintenance or repairs are performed by qualified personnel.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question