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aFe Power TF-9003D

aFe Power TF-9003D Pro Dry S Air Filter Instruction Manual

Model: TF-9003D

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your aFe Power TF-9003D Pro Dry S Air Filter. Please read this manual thoroughly before proceeding with any procedures to ensure proper function and longevity of the product.

The aFe Power TF-9003D is a high-performance conical air filter featuring Pro Dry S media, designed for optimal airflow and filtration without the need for oiling.

PRODUCT OVERVIEW



Figure 1: aFe Power TF-9003D Pro Dry S Air Filter. This image shows the conical shape of the air filter with its distinctive gray Pro Dry S filter media and black top and base.

The TF-9003D air filter is engineered to replace your vehicle's existing air filter, offering improved filtration and airflow characteristics. Its Pro Dry S media is a synthetic, oil-free material that simplifies maintenance.

- **Filter Media:** Pro Dry S (Synthetic, Oil-Free)
- **Shape:** Conical
- **Dimensions:** Approximately 7 x 7 x 7 inches
- **Weight:** Approximately 2 pounds

SETUP AND INSTALLATION

Before beginning installation, ensure the vehicle's engine is off and cool. Gather all necessary tools, which typically include a screwdriver, pliers, and potentially a socket wrench set, depending on your vehicle's air intake system.

1. **Locate the Airbox:** Identify your vehicle's factory airbox, usually found under the hood near the engine.
2. **Remove Factory Air Filter:** Disconnect any clamps, hoses, or sensors attached to the airbox. Carefully open the airbox and remove the existing air filter.
3. **Clean Airbox:** Inspect the airbox for any debris or dust. Clean the interior of the airbox thoroughly before installing the new filter.
4. **Install aFe Power TF-9003D:** Place the aFe Power TF-9003D air filter into the airbox, ensuring it seats properly and securely. The conical shape should fit snugly within the designated space.
5. **Reassemble Airbox:** Close the airbox and reattach all clamps, hoses, and sensors that were disconnected. Ensure all connections are tight to prevent air leaks.
6. **Final Check:** Double-check all connections and ensure the filter is securely in place before starting the engine.

Important: Refer to your vehicle's service manual for specific instructions regarding air filter replacement, as procedures may vary by make and model.

OPERATING CONSIDERATIONS

Once installed, the aFe Power TF-9003D air filter operates continuously as part of your vehicle's air intake system. No specific operational steps are required beyond regular vehicle use.

- The Pro Dry S media is designed for dry filtration and does not require oiling.
- Regular inspection is recommended to monitor the filter's condition.

MAINTENANCE

The aFe Power TF-9003D Pro Dry S air filter is designed for easy maintenance. Unlike oiled filters, the Pro Dry S media can be cleaned without the need for re-oiling.

Cleaning Procedure:

1. **Remove Filter:** Carefully remove the air filter from the airbox following the reverse of the installation steps.
2. **Tap Out Debris:** Gently tap the filter against a hard surface to dislodge any loose dirt and debris.
3. **Clean with Compressed Air (Optional):** For deeper cleaning, use low-pressure compressed air (max 30 psi) from the inside-out to blow out trapped particles. Avoid high pressure, as it can damage the filter media.
4. **Inspect:** Visually inspect the filter media for any tears, holes, or excessive wear. If damage is present, the filter should be replaced.
5. **Reinstall:** Once clean and dry, reinstall the filter into the airbox.

Note: Do not use oil on this filter. The Pro Dry S media is designed to function optimally without oil. Using oil may impede performance and filtration.

Cleaning frequency depends on driving conditions. In dusty environments, more frequent cleaning may be necessary. A general recommendation is to inspect the filter every 10,000-15,000 miles or annually.

TROUBLESHOOTING

This section addresses common issues that may arise with air filter installation or performance.

Problem	Possible Cause	Solution
Check Engine Light (CEL) illuminates after installation.	Loose connection in the air intake system, Mass Air Flow (MAF) sensor not properly reconnected, or MAF sensor contamination.	Ensure all clamps and hoses are securely fastened. Verify the MAF sensor is correctly plugged in. If the issue persists, consult a qualified mechanic.
Reduced engine performance or unusual noises.	Improper filter seating, air leak in the intake system, or severely clogged filter.	Re-check filter installation for proper seating. Inspect all intake components for cracks or loose connections. Clean the air filter if it appears excessively dirty.
Filter appears excessively dirty shortly after cleaning.	Operating in extremely dusty or off-road conditions.	Increase cleaning frequency based on driving environment. Consider an aFe Power pre-filter wrap for added protection in severe conditions.

SPECIFICATIONS

- Model Number:** TF-9003D
- Brand:** aFe Power
- Filter Media Type:** Pro Dry S (Synthetic, Oil-Free)
- Filter Shape:** Conical
- Product Dimensions:** 7 x 7 x 7 inches (approximate)
- Item Weight:** 2 pounds (approximate)
- UPC:** 802959529034
- Product Grade:** Performance Part

WARRANTY INFORMATION

The aFe Power TF-9003D air filter is backed by the manufacturer's warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the official aFe Power website or contact their customer support directly. Keep your proof of purchase for warranty claims.

SUPPORT AND CONTACT

For technical assistance, product inquiries, or further support, please visit the official aFe Power website or contact their customer service department. Contact information can typically be found on the manufacturer's website.

Website: www.afepower.com

Related Documents - TF-9003D

	<p>aFe Power Magnum Force Stage 2 Air Intake Installation Instructions for BMW 135i, 335i, 535i, X6, Z4</p> <p>Comprehensive installation guide for aFe Power Magnum Force Stage 2 Air Intake Systems, covering BMW models like E82/E88 135i, E90/E92/E93 335i/xi, E60 535i/xi, E71 X6 35xi, and E89 Z4 35i/is.</p>
	<p>aFe POWER 76mm Throttle Body Installation Manual for Toyota 1GR-FE & 2GR-FKS</p> <p>Detailed installation instructions for the aFe POWER 76mm Throttle Body (P/N: 46-39102) for Toyota 4Runner, FJ Cruiser, Tacoma, and Tundra models with 1GR-FE and 2GR-FKS engines.</p>
	<p>aFe POWER Performance Air Intake System Installation Manual for Chevrolet/GMC Trucks/SUVs (2009-2012)</p> <p>This manual provides detailed instructions for installing the aFe POWER performance air intake system (P/N: 51-11752-1 & 54-11752-1) on 2009-2012 Chevrolet/GMC Trucks/SUVs equipped with V8-4.8/5.3/6.0/6.2L engines. It includes a comprehensive parts list, step-by-step installation procedures, and warranty information.</p>
	<p>aFe POWER Magnum Force Stage 2 BMW Intake Installation Instructions</p> <p>Detailed installation instructions for the aFe POWER Magnum Force Stage 2 cold air intake system for BMW E82/E88 135i, E90/E92/E93 335i, and E60 535i models with L6-3.0L engines. Includes parts list, tools required, and step-by-step guidance with text descriptions replacing images.</p>
	<p>aFe POWER BMW L6-3.0L Stage 2 Intake Kit Installation Instructions</p> <p>Detailed installation guide for the aFe POWER Stage 2 performance intake kit for BMW E82/E88 135i, E90/E92/E93 335i, E60 535i, E71 X6 35xi, and E89 Z4 35i/is models with L6-3.0L engines.</p>
	<p>aFe POWER Cold Air Intake System Installation Manual for Ford F-150 (2015-2024 V6 EcoBoost)</p> <p>Detailed instruction manual for installing the aFe POWER Magnum Force Stage-2 Cold Air Intake System on Ford F-150 models (2015-2024) equipped with V6-2.7L (tt) and V6-3.5L (tt) EcoBoost engines.</p>

