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Ford VML3Z-16228-AA

Ford 2022-2024 F-150 OEM Flat Black Fender Vents User Manual

Model: VML3Z-16228-AA

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ford 2022-2024 F-150 OEM Flat Black Fender Vents (Part Number VML3Z-16228-AA). These genuine Ford replacement parts are designed to enhance the aesthetic and functional aspects of your vehicle's exterior.

Please read this manual thoroughly before beginning installation to ensure proper fitment and long-term performance.

PRODUCT OVERVIEW

The Ford OEM Flat Black Fender Vents are designed specifically for 2021-2024 Ford F-150 models. They are manufactured from durable polyurethane and feature a flat black finish. These vents are functional, allowing for heat extraction, and replace the factory fender vents.



Image: A close-up view of the flat black fender vent installed on the side of a white Ford F-150. The vent features multiple horizontal slats and is seamlessly integrated into the fender panel.

Key Features:

- OEM Genuine Ford Parts
- Compatible with ALL 2021-2024 Ford F-150 Models
- Features 3M backing for easy installation
- Functional vents for heat extraction
- Constructed from impact-resistant polyurethane

What's in the Box:

- RH Passenger Fender Vent
- LH Driver Fender Vent

SETUP AND INSTALLATION

These fender vents are designed for straightforward installation using their self-adhesive backing. Professional installation is recommended if you are not familiar with automotive body work.

Required Tools (Not Included):

- Clean microfiber cloths
- Automotive-grade surface cleaner (e.g., isopropyl alcohol)
- Plastic trim removal tools (optional, for existing vent removal)

Installation Steps:

1. **Preparation:** Ensure the vehicle's surface where the vents will be installed is clean, dry, and free of wax, grease, or debris. Use an automotive-grade surface cleaner to thoroughly clean the area. Allow to dry completely.
2. **Remove Existing Vents (if applicable):** Carefully remove any existing fender vents. Use plastic trim removal tools to avoid scratching the paint.
3. **Test Fit:** Before removing the adhesive backing, carefully position each new fender vent to confirm proper alignment and fit. Note the exact placement.
4. **Apply Adhesive:** Peel off the protective film from the 3M adhesive backing on the new fender vent. Avoid touching the adhesive surface.
5. **Installation:** Carefully align the vent with the fender opening and press firmly into place. Apply even pressure across the entire surface of the vent for at least 30 seconds to ensure proper adhesion.
6. **Repeat for Other Side:** Repeat the process for the other fender vent.
7. **Curing Time:** Avoid washing the vehicle or exposing the installed vents to excessive moisture for at least 24-48 hours to allow the adhesive to fully cure.

Note: For optimal adhesion, installation should be performed in a warm environment (above 60°F / 15°C).

OPERATING CHARACTERISTICS

These fender vents are primarily aesthetic enhancements that also provide functional heat extraction. They do not require active "operation" by the user.

- **Heat Extraction:** The design of the vents allows for passive airflow, which can aid in dissipating heat from the engine bay area.
- **Durability:** Manufactured from polyurethane, these vents are designed to withstand typical automotive environmental conditions, including temperature fluctuations and minor impacts.

MAINTENANCE

The Ford OEM Flat Black Fender Vents require minimal maintenance to retain their appearance and functionality.

- **Cleaning:** Clean the fender vents regularly with standard automotive car wash soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Inspection:** Periodically inspect the vents for any signs of damage or loose adhesion. Address any issues promptly to prevent further damage.
- **Protection:** While durable, avoid direct impact or excessive force on the vents to prevent cracking or

detachment.

TROUBLESHOOTING

Most issues related to these fender vents are installation-related. Refer to the "Setup and Installation" section for proper procedures.

Common Issues and Solutions

Problem	Possible Cause	Solution
Vent is not adhering properly / falling off	Insufficient surface cleaning; low installation temperature; insufficient pressure during application; adhesive not fully cured.	Ensure surface is thoroughly cleaned and dry. Install in warm conditions. Apply firm, even pressure for an extended period. Allow 24-48 hours for adhesive to cure before exposure to moisture. Re-apply with new automotive-grade double-sided tape if necessary.
Vent appears misaligned	Improper initial placement.	If adhesive has not fully cured, it may be possible to carefully re-position. If fully cured, removal may damage the vent or paint. Consider professional assistance for removal and re-installation.
Damage to vent (cracks, chips)	Physical impact or excessive force.	The vent may need to be replaced. Contact Ford customer support or an authorized dealer for replacement parts.

SPECIFICATIONS

Attribute	Detail
Brand	Ford
Model	F-150 (2021-2024)
Part Number	VML3Z-16228-AA
Color	Flat Black
Material	Polyurethane
Attachment Type	Self-adhesive (3M backing)
Dimensions (L x W x H)	Approximately 11 x 7.7 x 1.7 inches
Item Weight	Approximately 3 pounds (pair)
Auto Part Position	Front Right Upper, Front Left Upper

WARRANTY AND SUPPORT

These genuine Ford parts come with a manufacturer warranty of 2 years from the date of purchase. This warranty covers defects in material and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact your authorized Ford dealer or Ford customer service. Keep your proof of purchase for warranty validation.

For more information, visit the official Ford website or consult your vehicle's owner's manual.

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