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› VEVOR Intake Manifold Instruction Manual for Ford F150/F250/F350 (2000-2004)

VEVOR Intake Manifold 2000-2004

VEVOR Intake Manifold Instruction Manual

Model: Intake Manifold 2000-2004

1. INTRODUCTION

This manual provides essential information for the VEVOR Intake Manifold, designed for specific Ford truck models. It covers product overview, compatibility, key features, package contents, installation guidelines, maintenance, and troubleshooting. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

2. PRODUCT OVERVIEW

The VEVOR Intake Manifold is a critical engine component responsible for distributing the air-fuel mixture to the engine's cylinders. This replacement unit is engineered to meet OEM standards, ensuring a precise fit and reliable performance. It is constructed from reinforced nylon and glass fiber for enhanced durability and heat resistance, preventing warping and leaks in high-temperature engine environments. The design aims to improve air intake efficiency, contributing to better throttle response, reduced fuel consumption, and a quieter engine operation. The manifold comes with pre-installed intake gaskets and includes a thermostat and matching bolts for a comprehensive replacement solution.

3. VEHICLE COMPATIBILITY

This VEVOR Intake Manifold is specifically designed for direct replacement in the following vehicle models:

- **Ford F150:** 2000, 2001, 2002, 2003, 2004
- **Ford F250:** 2000, 2001, 2002, 2003, 2004
- **Ford F350:** 2000, 2001, 2002, 2003, 2004

It is designed to match original equipment (OE) specifications. Compatible OE numbers include: 615-188, AC2Z-9424-A, 2L1Z-9424-AA, 4C2Z-9424-CA, 5C2Z-9424-AA, 9C2Z-9424-AA.

Intake Manifold

Restore engine's peak performance

Vehicle Compatibility

- 2000-2004 Ford F150 / F250 / F350

OE Number

- 615-188
- AC2Z-9424-A
- 2L1Z-9424-AA
- 4C2Z-9424-CA
- 5C2Z-9424-AA
- 9C2Z-9424-AA



Image: Vehicle compatibility details and corresponding OE numbers for the VEVOR Intake Manifold.

4. KEY FEATURES

- **OEM-Level Precision:** Manufactured to OE standards, ensuring correct thread height and port positions for a gap-free fit.
- **Durable Construction:** Made from reinforced nylon and glass fiber, offering superior heat resistance, corrosion resistance, and high hardness to prevent softening and leakage.
- **Integrated Gaskets:** Features pre-installed intake gaskets for simplified installation.
- **Included Thermostat:** Comes with a thermostat to regulate coolant flow and maintain optimal engine temperature.
- **Complete Hardware:** Includes all necessary matching bolts for a hassle-free replacement.

Complete Accessories



Pre-Installed Gaskets

Easy Installation



With Thermostat

Efficient Coolant Flow Regulation

Image: Close-up view of the intake manifold highlighting its heat-resistant material properties.

Precision Craftsmanship & Standardized Build

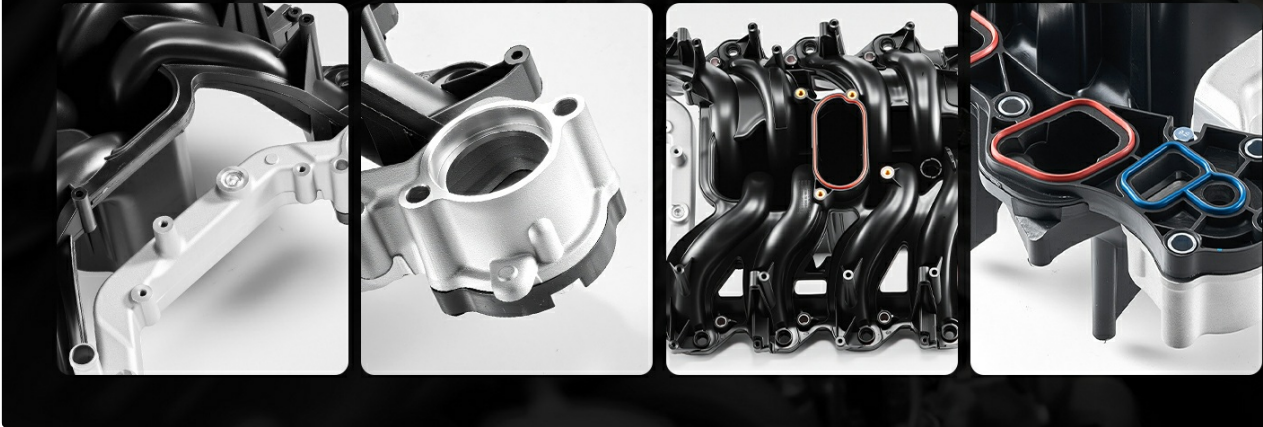


Image: Detail of the pre-installed gaskets on the intake manifold.



Image: The included thermostat, designed for coolant regulation.

5. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present:

- 1 x VEVOR Intake Manifold Assembly
- 1 x Installation Hardware Kit (including bolts)
- 1 x Thermostat
- 1 x User Manual



Image: Exploded view of the intake manifold components and included installation hardware.

6. SETUP AND INSTALLATION

Installation of an intake manifold is a complex procedure that requires specialized tools and automotive knowledge. **Professional installation by a certified mechanic is highly recommended.** Incorrect installation can lead to engine damage, leaks, and safety hazards.

General Installation Considerations:

1. Ensure the engine is cool before beginning any work.
2. Disconnect the vehicle's battery.
3. Carefully remove the old intake manifold, noting the position of all hoses, wires, and sensors.
4. Clean the mating surfaces on the engine block thoroughly to ensure a proper seal.
5. Install the new VEVOR Intake Manifold, utilizing the pre-installed gaskets and included hardware. Ensure all bolts are torqued to the manufacturer's specifications (refer to your vehicle's service manual for exact torque values).
6. Reconnect all hoses, wires, and sensors in their original positions.
7. Refill the cooling system and check for leaks.
8. Reconnect the battery and perform an initial engine start-up, monitoring for any unusual noises or warning lights.

The pre-installed gaskets and included thermostat and bolts are designed to streamline the replacement process, but adherence to proper automotive repair practices is crucial.

7. OPERATING CONSIDERATIONS

Once properly installed, the VEVOR Intake Manifold operates as an integral part of your engine's air induction system. You should observe:

- Improved engine acceleration and throttle response.
- Potentially reduced fuel consumption due to more efficient air intake.
- A quieter engine operation.

Regularly monitor your vehicle's performance and dashboard indicators for any signs of issues.

8. MAINTENANCE

The VEVOR Intake Manifold is designed for long-term durability with minimal maintenance. However, periodic inspection is recommended as part of your vehicle's overall maintenance schedule:

- **Visual Inspection:** Periodically check the manifold for any signs of cracks, damage, or coolant/vacuum leaks.
- **Gasket Integrity:** Ensure the manifold gaskets remain sealed. Signs of gasket failure can include coolant leaks, vacuum leaks, or engine performance issues.
- **Thermostat Function:** Monitor your engine's temperature gauge to ensure the thermostat is functioning correctly and the engine reaches and maintains its optimal operating temperature.
- **Cleaning:** If accessible, ensure the manifold's exterior is free from excessive dirt or debris that could hinder heat dissipation.

9. TROUBLESHOOTING

If you experience any issues after installing the intake manifold, consider the following common problems and their potential causes:

Symptom	Possible Cause	Recommended Action
Erratic Idling / Rough Idle	Vacuum leak, improperly seated manifold, faulty sensor connection.	Check all vacuum lines and connections. Verify manifold is properly seated and torqued. Inspect sensor connections.
High Fuel Consumption	Vacuum leak, incorrect air-fuel mixture, faulty oxygen sensor.	Address potential vacuum leaks. Consult a mechanic for diagnosis of air-fuel mixture or sensor issues.
Engine Malfunction Light (Check Engine Light)	Sensor not reconnected, vacuum leak, other engine system fault.	Scan for diagnostic trouble codes (DTCs). Verify all electrical connections.
Reduced Power / Poor Acceleration	Vacuum leak, restricted airflow, incorrect installation.	Check for vacuum leaks. Ensure no obstructions in the air intake path. Re-verify installation steps.
Coolant Leaks	Improperly seated manifold, damaged gasket, loose hose clamp.	Inspect gasket seating and manifold torque. Check all coolant hose connections.



Image: Visual representation of symptoms indicating potential intake manifold issues.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified automotive technician.

10. SPECIFICATIONS

Attribute	Specification
Model Number	Intake Manifold 2000-2004
Vehicle Fitment	2000-2004 Ford F150 / F250 / F350
OE Numbers	615-188, AC2Z-9424-A, 2L1Z-9424-AA, 4C2Z-9424-CA, 5C2Z-9424-AA, 9C2Z-9424-AA
Main Material	Nylon, Glass Fiber
Product Dimensions	49 x 43 x 23.7 cm (19.3 x 16.9 x 9.3 inches)
Item Weight	5.38 kg (11.9 lbs)
Color	Black
Included Components	1 x Intake Manifold, 1 x Installation Hardware Kit, 1 x Thermostat



Image: Dimensional view of the VEVOR Intake Manifold.

11. WARRANTY AND SUPPORT

For warranty information or technical support regarding your VEVOR Intake Manifold, please refer to the warranty card included with your product or visit the official VEVOR website. You may also contact VEVOR customer service directly through their support channels for assistance with product inquiries, installation guidance, or troubleshooting.

VEVOR Official Website: www.vevor.com