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Ford AT4Z-9E926-B

Ford Genuine Parts AT4Z-9E926-B Throttle Body and Motor Assembly

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Ford Genuine Parts AT4Z-9E926-B Throttle Body and Motor Assembly. This component is designed and manufactured to Ford's stringent standards, ensuring compatibility and performance for your vehicle.

Important Safety Notice: Installation of automotive parts can be complex and may require specialized tools and knowledge. If you are not confident in your ability to perform the installation safely and correctly, it is recommended to seek assistance from a qualified automotive technician. Always disconnect the vehicle's battery before beginning any work on electrical components.

2. Setup and Installation

Before beginning the installation, ensure you have all necessary tools and safety equipment. Refer to your vehicle's specific service manual for detailed, model-specific instructions regarding throttle body replacement. The following steps are general guidelines.

2.1 Pre-Installation Checks

- Verify that the part number AT4Z-9E926-B matches the required part for your vehicle.
- Inspect the new throttle body for any signs of damage during shipping.
- Ensure the vehicle's engine is cool before starting work.
- Disconnect the negative terminal of the vehicle's battery.

2.2 Installation Steps (General)

1. Locate the existing throttle body on the engine.
2. Carefully disconnect any electrical connectors and vacuum lines attached to the old throttle body.
3. Remove the mounting bolts or nuts securing the old throttle body to the intake manifold.
4. Remove the old throttle body and gasket. Clean the mounting surface on the intake manifold thoroughly.

5. Install a new gasket (if not integrated with the new throttle body) onto the intake manifold.
6. Position the new Ford Genuine Parts AT4Z-9E926-B Throttle Body and Motor Assembly onto the intake manifold, aligning it with the mounting holes.
7. Secure the throttle body with the mounting bolts/nuts, tightening them to the manufacturer's specified torque (refer to your vehicle's service manual).
8. Reconnect all electrical connectors and vacuum lines. Ensure all connections are secure.
9. Reconnect the negative terminal of the vehicle's battery.
10. Perform any necessary idle relearn procedures as specified by your vehicle manufacturer.



Figure 1: Ford Genuine Parts AT4Z-9E926-B Throttle Body and Motor Assembly. The image shows the new throttle body unit alongside its original Ford packaging, indicating it is a genuine part.

3. Operating Principles

The throttle body is a critical component of your vehicle's engine air intake system. It regulates the amount of air entering the engine in response to accelerator pedal input. The integrated motor assembly precisely controls the throttle plate position, allowing the engine control unit (ECU) to manage engine speed and power output efficiently. After proper installation, the new throttle body should integrate seamlessly with your vehicle's existing systems, restoring optimal engine performance and fuel efficiency.

4. Maintenance

Regular maintenance of your vehicle's engine components, including the throttle body, contributes to its longevity and performance. While the Ford Genuine Parts throttle body is designed for durability, periodic inspection is recommended.

4.1 Routine Checks

- During routine engine inspections, visually check the throttle body for any signs of external damage, loose connections, or excessive dirt buildup.
- Ensure all electrical connectors are firmly seated.

4.2 Cleaning Recommendations

Over time, carbon deposits and grime can accumulate on the throttle plate and bore, potentially affecting performance. If cleaning is deemed necessary:

- Use a throttle body cleaner specifically designed for electronic throttle bodies to avoid damaging sensitive coatings or electronic components.
- Follow the cleaner manufacturer's instructions carefully.
- Avoid manually forcing the throttle plate open, as this can damage the internal motor or gears.

5. Troubleshooting

If you experience issues after installing the throttle body, consider the following common troubleshooting steps. For persistent problems, consult a qualified technician.

Symptom	Possible Cause	Solution
Rough idle or stalling	Improper idle relearn procedure; vacuum leak; faulty electrical connection.	Perform idle relearn; check vacuum lines; verify electrical connections.
Check Engine Light (CEL)	Faulty electrical connection; sensor issue; ECU error.	Scan for diagnostic trouble codes (DTCs); check connections.
Lack of throttle response	Loose electrical connector; damaged wiring.	Inspect and secure electrical connections; check wiring for damage.

6. Specifications

- **Part Number:** AT4Z-9E926-B
- **Product Type:** Throttle Body and Motor Assembly
- **Brand:** Ford Genuine Parts
- **Item Weight:** Approximately 2.37 pounds
- **Product Dimensions:** Approximately 11 x 6 x 9 inches
- **Manufacturer:** Ford

7. Warranty Information

Ford Genuine Parts are backed by a limited warranty. For specific details regarding the warranty period, coverage, and claims process for the AT4Z-9E926-B Throttle Body and Motor Assembly, please refer to the official Ford Parts warranty documentation provided at the time of purchase or consult an authorized Ford dealership.

8. Customer Support

If you require further assistance with the installation, operation, or troubleshooting of your Ford Genuine Parts AT4Z-9E926-B Throttle Body and Motor Assembly, please contact your local authorized Ford dealership or a certified automotive service center. They can provide expert advice and service tailored to your specific vehicle model.
For general inquiries about Ford Genuine Parts, visit the official Ford website or contact Ford Customer Service.

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