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> Throttle Body Valve Replacement Manual for Lancer 4G18 Engine

Aramox MR560120, MR560126, MN128888

Throttle Body Valve Replacement Manual

Model: MR560120, MR560126, MN128888

Brand: Aramox

1. INTRODUCTION

This manual provides detailed information regarding the installation, operation, and maintenance of the Aramox Throttle Body Valve Replacement. This component is designed as a direct replacement for specific Lancer models, ensuring proper air intake control for optimal engine performance. Please read this manual thoroughly before attempting any installation or maintenance procedures.

2. PRODUCT OVERVIEW

The throttle body is a crucial component of an internal combustion engine's air intake system. It controls the amount of air flowing into the engine, which directly affects engine speed and power. This replacement unit is manufactured to meet or exceed OEM specifications, providing reliable and consistent performance.



Figure 2.1: Front view of the Aramox Throttle Body Valve Replacement. This image shows the main body of the throttle valve, including the central bore where the throttle plate is located, and various sensors and connectors attached to the assembly.



Figure 2.2: Top view of the throttle body, showing the main air intake opening and the internal throttle plate mechanism.

3. SPECIFICATIONS

Feature	Detail
Condition	100% Brand New
OEM Part Numbers	MR560120, MR560126, MN128888
Material	High quality steel
Durability	Anti-rust, wear-resistant
Product Dimensions	10 x 10 x 10 cm
Item Weight	10 g

Manufacturer Part Number	Aramoxh4pcx3en0z
Country of Origin	China

4. COMPATIBILITY AND FITMENT

This throttle body valve is specifically designed for the following vehicle model:

- **Lancer 2003 CS_A (2003-2015) 1.6 L**

Please verify the OEM part numbers (MR560120, MR560126, MN128888) against your original part to ensure proper fitment before installation. Incorrect fitment can lead to vehicle malfunction.



Figure 4.1: The throttle body shown in context with a blue Mitsubishi Lancer, illustrating its intended application.



- For Mitsubishi Lancer
- Perfect fit and finish easy assembly, great replacement for your original one.



Figure 4.2: The throttle body displayed alongside a grey Mitsubishi Lancer, emphasizing its compatibility.

5. PACKAGE CONTENTS

Upon opening the package, please ensure all listed components are present and undamaged:

- 1 x Throttle Body Valve (OEM: MR560120, MR560126, MN128888)

6. SETUP AND INSTALLATION

Installation of a throttle body requires mechanical knowledge and appropriate tools. If you are not confident in performing this procedure, it is recommended to seek professional assistance from a certified mechanic.

6.1 Safety Precautions

- Ensure the vehicle's engine is off and cool before beginning work.
- Disconnect the vehicle's battery to prevent electrical hazards.

- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Work in a well-ventilated area.

6.2 Installation Steps

1. Locate the existing throttle body on your vehicle's engine. It is typically situated between the air intake hose and the intake manifold.
2. Carefully disconnect any electrical connectors, vacuum lines, and coolant hoses attached to the old throttle body. Note their positions for reinstallation.
3. Remove the mounting bolts or nuts securing the old throttle body to the intake manifold.
4. Gently remove the old throttle body. Be prepared for any residual coolant or oil.
5. Clean the mounting surface on the intake manifold to ensure a proper seal with the new throttle body.
6. Position the new Aramox Throttle Body Valve onto the intake manifold, ensuring the gasket (if separate) is correctly seated.
7. Secure the new throttle body with the mounting bolts/nuts. Tighten them to the manufacturer's specified torque settings (refer to your vehicle's service manual).
8. Reconnect all electrical connectors, vacuum lines, and coolant hoses to their original positions on the new throttle body.
9. Reconnect the air intake hose to the throttle body and secure it with the clamp.
10. Reconnect the vehicle's battery.
11. Start the engine and check for any leaks or unusual noises. Allow the engine to reach operating temperature and check for proper idle and throttle response.



Figure 6.1: Comparison of two throttle bodies, with a red Mitsubishi Lancer in the background, highlighting the replacement aspect.

7. OPERATION

Once installed, the throttle body operates automatically as part of the engine management system. It regulates the airflow into the engine based on accelerator pedal input. The electronic sensors on the throttle body communicate with the vehicle's Engine Control Unit (ECU) to ensure precise air-fuel mixture and optimal engine performance.

After installation, it may be necessary to perform a throttle body relearn procedure, depending on your vehicle's specific make and model. Consult your vehicle's service manual or a qualified mechanic for details on this procedure.

8. MAINTENANCE

The Aramox Throttle Body Valve is designed for long-term reliability with minimal maintenance. However, periodic inspection can help ensure its continued optimal performance.

8.1 Inspection

- Periodically inspect the throttle body for any signs of carbon buildup around the throttle plate or inside the bore.

- Check all connected hoses and electrical connectors for secure fitment and signs of wear or damage.
- Ensure there are no air leaks around the throttle body gasket.

8.2 Cleaning (If Necessary)

If significant carbon buildup is observed, cleaning may be necessary. Use a throttle body cleaner specifically designed for electronic throttle bodies to avoid damaging sensors. Follow the cleaner manufacturer's instructions carefully. Avoid using harsh brushes or abrasive materials that could scratch the throttle bore or plate.

9. TROUBLESHOOTING

If you experience issues after installing the new throttle body, consider the following common troubleshooting steps:

- **Check Engine Light (CEL):** If the CEL illuminates, retrieve diagnostic trouble codes (DTCs) using an OBD-II scanner. Codes related to throttle position sensor (TPS) or idle air control (IAC) may indicate an issue with the throttle body or its calibration.
- **Rough Idle or Stalling:** This can be caused by an air leak around the throttle body gasket, incorrect installation, or a need for a throttle body relearn procedure.
- **Poor Throttle Response:** Ensure all electrical connectors are securely attached. A relearn procedure might be required.
- **Incorrect Fitment:** Double-check that the OEM part numbers of the installed throttle body match the requirements for your specific Lancer model.

For persistent issues, it is advisable to consult a professional mechanic or contact Aramox customer support.

10. WARRANTY AND SUPPORT

Aramox provides a **24-month worry-free warranty** for this product. This warranty covers manufacturing defects and ensures the quality and reliability of the throttle body valve.

If you encounter any issues or have questions regarding the product, please feel free to contact Aramox customer support. For more information about Aramox products, you can visit the official [Aramox Store on Amazon](#).



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