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› MERCEDES-BENZ GENUINE OEM MAXI FUSE User Manual

Mercedes Benz 000000-004215

MERCEDES-BENZ GENUINE OEM MAXI FUSE User Manual

Model: 000000-004215 (Part No. 4215)

INTRODUCTION

This manual provides essential information regarding the MERCEDES-BENZ Genuine OEM Maxi Fuse, part number 000000004215 / A 000 000 00 42 / A000000004215. This fuse is designed to protect electrical circuits in Mercedes-Benz vehicles. It is a critical component for maintaining the integrity and safety of your vehicle's electrical system.

Fuses are safety devices that protect an electrical circuit from overcurrent. When an overcurrent condition occurs, the fuse's metallic wire melts, breaking the circuit and preventing damage to more sensitive components.

PRODUCT OVERVIEW



Figure 1: A MERCEDES-BENZ Genuine OEM Maxi Fuse. This image displays the compact, orange-colored fuse with two flat metal terminals designed for insertion into a fuse box. The fuse body is made of a durable plastic material, housing the internal conductive element.

The Maxi Fuse is characterized by its larger size compared to standard blade fuses, indicating its capacity to handle higher current loads. It is typically used in circuits requiring significant current protection, such as those for power windows, anti-lock braking systems (ABS), or cooling fans.

SETUP AND INSTALLATION

Replacing a fuse requires careful attention to ensure the correct fuse type and rating are used. Always refer to your vehicle's specific owner's manual for detailed instructions and fuse box diagrams.

1. **Safety First:** Ensure the vehicle's ignition is off and the battery is disconnected if working near main power lines.
2. **Locate the Fuse Box:** Fuse boxes are typically located in the engine bay, under the dashboard, or in the trunk.

Consult your vehicle's manual for the exact location.

3. **Identify the Blown Fuse:** Refer to the fuse box diagram (usually on the fuse box cover or in the owner's manual) to identify the fuse corresponding to the malfunctioning component. A blown fuse often has a visible break in its internal wire.
4. **Remove the Blown Fuse:** Use a fuse puller (often found in the fuse box or vehicle toolkit) or small pliers to carefully pull out the blown fuse.
5. **Insert the New Fuse:** Insert the new MERCEDES-BENZ Genuine OEM Maxi Fuse (part number 000000-004215) into the empty slot. Ensure the new fuse has the exact same amperage rating (e.g., 40 Amps) as the original. Using a fuse with a higher rating can lead to severe electrical damage or fire.
6. **Test the Circuit:** Reconnect the battery (if disconnected) and turn on the ignition to verify that the component now functions correctly.
7. **Secure the Fuse Box:** Replace the fuse box cover securely to protect the fuses from dust and moisture.

Note: If a new fuse blows immediately, there may be a short circuit or a more serious electrical issue that requires professional diagnosis.

OPERATING PRINCIPLES

The MERCEDES-BENZ Genuine OEM Maxi Fuse operates passively as a sacrificial device. It contains a metal strip or wire designed to melt and break the circuit when the current flowing through it exceeds its rated amperage for a certain period. This action prevents excessive current from reaching and damaging sensitive electrical components or wiring within the vehicle.

Once a fuse blows, it must be replaced with a new one of the identical type and rating to restore the circuit's functionality and protection. It does not reset or repair itself.

MAINTENANCE

Fuses themselves do not require routine maintenance. Their function is to fail when an electrical fault occurs. However, periodic inspection of the fuse box can be beneficial:

- **Visual Inspection:** Occasionally check the fuse box for any signs of corrosion, loose connections, or melted plastic around the fuse terminals, which could indicate an underlying electrical issue.
- **Proper Storage:** If carrying spare fuses, store them in a dry, cool place away from direct sunlight and extreme temperatures to prevent degradation.

Do not attempt to repair a blown fuse by wrapping it with wire or foil, as this bypasses its safety function and can lead to severe electrical damage or fire.

TROUBLESHOOTING

If an electrical component in your Mercedes-Benz vehicle stops working, a blown fuse is often the first thing to check. Follow these steps:

1. **Identify the Affected Component:** Determine which electrical system or device is not functioning (e.g., power window, radio, headlight).
2. **Consult Fuse Diagram:** Locate the corresponding fuse in your vehicle's owner's manual or on the fuse box cover.
3. **Inspect the Fuse:** Remove the suspected fuse and visually inspect its internal wire. If the wire is broken or melted, the fuse is blown. Some fuses may also show discoloration or charring.
4. **Replace with Correct Fuse:** Replace the blown fuse with a new MERCEDES-BENZ Genuine OEM Maxi Fuse of the exact same amperage rating. Never use a fuse with a higher rating.

5. **Persistent Issues:** If the new fuse blows immediately or the problem persists after replacement, this indicates a deeper electrical fault, such as a short circuit or component failure. In such cases, it is recommended to seek assistance from a qualified automotive technician.

SPECIFICATIONS

Attribute	Value
Item Name	Fuse Link
Part Brand	MERCEDES
OEM Numbers	000000004215 / A 000 000 00 42 / A000000004215
Model Number	000000-004215
Manufacturer Part Number	4215
AC Adapter Current	40 Amps
Voltage	222 Volts
Material	Copper
Specification Met	OEM
Mounting Type	Through-Hole Mount
Manufacturer	Mercedes-Benz
Date First Available	February 27, 2017

WARRANTY AND SUPPORT

Information regarding specific warranty terms for the MERCEDES-BENZ Genuine OEM Maxi Fuse is not provided within this manual. For warranty inquiries or technical support, please refer to your vehicle's official Mercedes-Benz documentation or contact an authorized Mercedes-Benz service center or parts dealer.

Genuine OEM parts are designed to meet the manufacturer's specifications and standards, ensuring compatibility and performance with your vehicle.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question