Mercedes Benz 246-540-19-50-64

Genuine Mercedes-Benz Fuse Box

Model: 246-540-19-50-64

Official User Manual

Product Overview

This manual provides comprehensive instructions for the Genuine Mercedes-Benz Fuse Box, model 246-540-19-50-64. This component is a direct replacement part designed to ensure the proper functioning and protection of your vehicle's electrical systems. It is an original equipment manufacturer (OEM) part, guaranteeing compatibility and reliability with Mercedes-Benz vehicles.

The fuse box serves as a central distribution point for electrical power, housing various fuses that protect individual circuits from overcurrent conditions. In the event of an electrical fault, a fuse will blow, interrupting the circuit and preventing damage to more expensive components or wiring.

Image: Genuine Mercedes-Benz Fuse Box (Model 246-540-19-50-64). This image displays the compact design of the fuse box, highlighting its robust casing and the arrangement of terminals for electrical connections.

Specifications

Brand	Mercedes Benz
Manufacturer	Mercedes-Benz
Model Number	246-540-19-50-64
Manufacturer Part Number	246-540-19-50-64
Replaces Part Number	246-540-19-50
Material	Alloy Steel, Copper
Mounting Type	Through-Hole Mount
Fitment Type	Direct Replacement
Condition	New
Genuine OEM	Yes

Setup and Installation

Important Safety Notice: Installation of automotive electrical components should only be performed by qualified personnel. Disconnect the vehicle's battery before beginning any work on the electrical system to prevent electrical shock or damage to components.

1. **Preparation:** Ensure the vehicle's ignition is off and the negative terminal of the battery is disconnected. Locate the existing fuse box that needs replacement.

2. **Removal of Old Unit:** Carefully disconnect all electrical connectors and mounting hardware securing the old fuse box. Note the position and orientation of all connections before removal. Take photographs if necessary for reference.
3. **Transfer Components (if applicable):** Some fuse boxes may require transferring relays or specific fuses from the old unit to the new one. Refer to your vehicle's specific service manual for details on which components, if any, need to be transferred.
4. **Installation of New Unit:** Position the new Mercedes-Benz Fuse Box (246-540-19-50-64) in the designated location. Secure it using the appropriate mounting hardware.
5. **Reconnect Electrical Connections:** Carefully reattach all electrical connectors to the new fuse box. Ensure each connector is fully seated and locked into place. Double-check all connections against your reference photos or vehicle wiring diagrams.
6. **Final Steps:** Reconnect the negative terminal of the vehicle's battery. Turn the ignition to the 'ON' position and check for proper operation of all electrical systems previously routed through the fuse box.

If you encounter any difficulties or are unsure about any step, consult a certified Mercedes-Benz technician or an automotive electrical specialist.

Operation

The Mercedes-Benz Fuse Box operates passively as a protective component within the vehicle's electrical system. Its primary function is to house and organize fuses, which are designed to melt and break an electrical circuit if the current exceeds a safe level. This prevents damage to wiring, electronic modules, and other electrical components in the event of a short circuit or overload.

There are no user-operable controls on the fuse box itself. Its operation is entirely dependent on the electrical demands of the vehicle's systems. When a fuse blows, the affected circuit will cease to function (e.g., a light will not turn on, a window will not operate). This indicates that the fuse has performed its protective function.

Maintenance

Regular maintenance of the fuse box is minimal but crucial for long-term reliability of your vehicle's electrical system.

- **Visual Inspection:** Periodically inspect the fuse box for any signs of corrosion, loose connections, or physical damage. Ensure the cover (if applicable) is securely in place to protect against moisture and debris.
- **Fuse Replacement:** If a fuse blows, replace it only with a new fuse of the**exact same amperage rating** as specified by the vehicle manufacturer. Using a fuse with a higher rating can lead to severe electrical damage or fire. Always use genuine Mercedes-Benz fuses or equivalent high-quality automotive fuses.
- **Cleaning:** If dust or debris accumulates, gently clean the exterior of the fuse box with a dry, soft cloth. Avoid using liquid cleaners directly on electrical components.

Note: Never attempt to repair a blown fuse by wrapping it with wire or aluminum foil. This bypasses the safety mechanism and can cause extensive damage to your vehicle's electrical system.

Troubleshooting

Most issues related to the fuse box involve a blown fuse. If an electrical component in your vehicle stops working, follow these steps:

1. **Identify the Affected Circuit:** Consult your vehicle's owner's manual or service manual to identify which fuse protects the non-functioning component. Fuse box diagrams are typically provided.
2. **Locate the Fuse:** Open the fuse box cover and locate the corresponding fuse.
3. **Inspect the Fuse:** Carefully remove the fuse using a fuse puller (if available) or small pliers. Hold it up to the light

and check the metal filament inside. If the filament is broken or discolored, the fuse is blown.

4. **Replace the Fuse:** Insert a new fuse of the identical amperage rating into the correct slot. Ensure it is fully seated.
5. **Test the Component:** Reconnect the battery (if disconnected) and test the electrical component that was previously not working.

Persistent Issues: If a new fuse blows immediately after replacement, or if multiple fuses are blowing, this indicates a more serious underlying electrical problem (e.g., a short circuit) that requires professional diagnosis and repair. Do not continue to replace fuses without addressing the root cause, as this can lead to further damage.

Warranty Information

This Genuine Mercedes-Benz Fuse Box (Model 246-540-19-50-64) comes with a**1-year warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms, conditions, and claim procedures, please refer to the official Mercedes-Benz warranty documentation provided with your purchase or contact an authorized Mercedes-Benz dealership.

The warranty does not cover damage resulting from improper installation, misuse, accident, neglect, unauthorized repair, or modification.

Support

For technical assistance, installation guidance, or warranty claims, please contact your authorized Mercedes-Benz dealership or a certified automotive service center. You can also visit the official Mercedes-Benz website for additional resources and contact information.

Mercedes-Benz Official Website: www.mbusa.com

When contacting support, please have your vehicle's VIN (Vehicle Identification Number) and the part number of the fuse box (246-540-19-50-64) readily available.

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