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Brand: Bussmann | Model: MAX-25

PRODUCT OVERVIEW

The Bussmann MAX-25 is a MAXI (MAX) Automotive Blade Fuse with a 25 Amp rating, typically gray in color. These fuses are engineered to safeguard electrical circuits within a vehicle's wiring harness. They are commonly located under the hood, within a dedicated fuse panel, or in a supplementary panel positioned near the battery. MAXI fuses are suitable for both original equipment and aftermarket accessory applications.

Bussmann FMM fuses are UL recognized and adhere to or surpass OEM and SAE standards. They feature an enclosed element design, which provides electrical isolation, enhances corrosion resistance, and contributes to a longer operational lifespan. The industry-standard color-coding system helps in identifying the specific amp rating of each fuse.

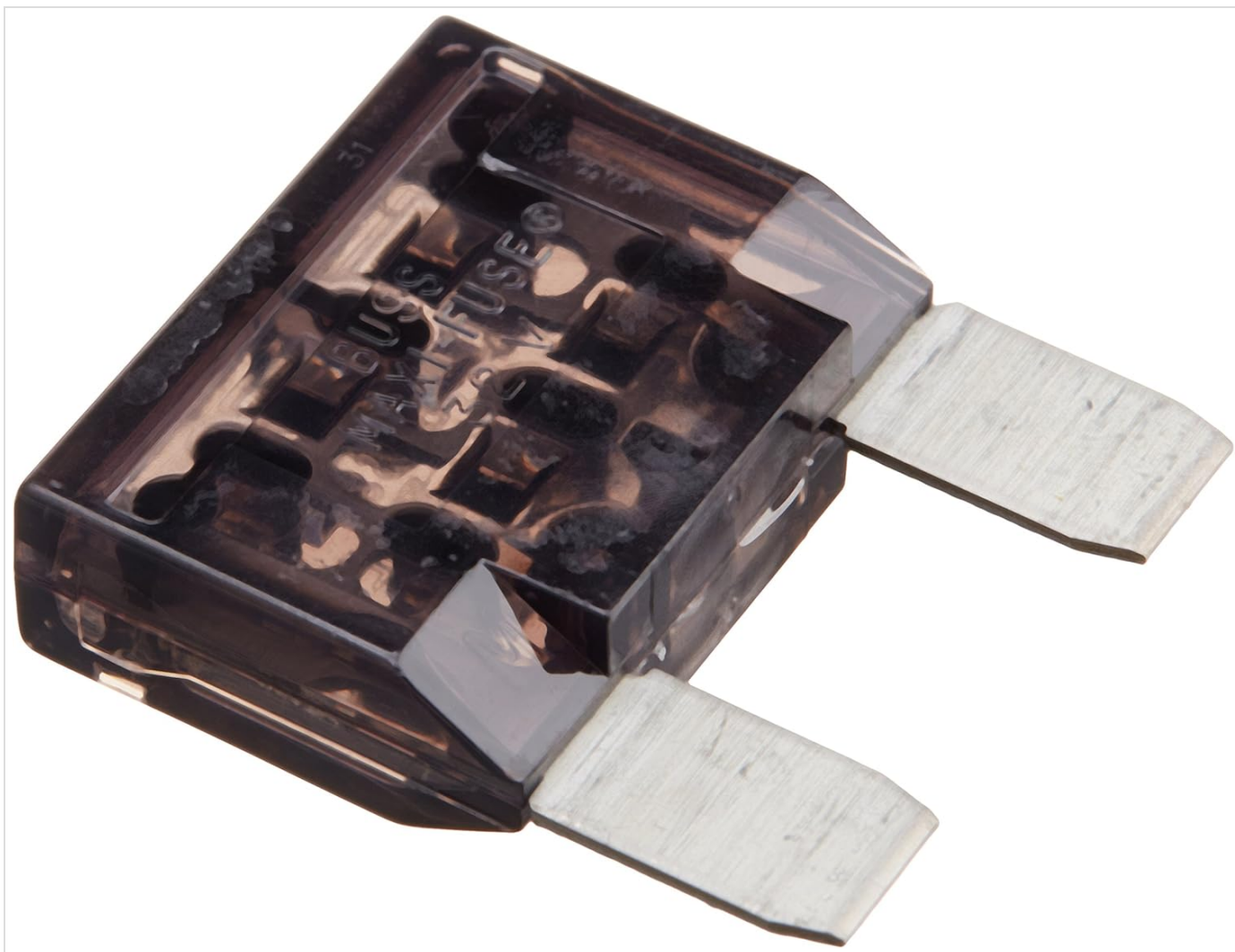


Image: A single Bussmann MAX-25 automotive blade fuse, gray in color, with metal terminals visible. This fuse is rated for 25 Amps and is designed for circuit protection in vehicles.

INSTALLATION (SETUP)

Proper installation of the Bussmann MAX-25 fuse is crucial for effective circuit protection. Always refer to your vehicle's owner's manual for the exact location of the fuse box and the specific fuse diagram for the circuit you are working on.

1. **Safety First:** Before attempting any fuse installation or replacement, ensure the vehicle's ignition is off and disconnect the negative terminal of the battery to prevent electrical shock or damage to the vehicle's electrical system.
2. **Locate Fuse Box:** Identify the fuse box in your vehicle. Common locations include under the hood, inside the passenger compartment (e.g., under the dashboard), or in a supplementary panel near the battery.
3. **Identify Correct Fuse Slot:** Consult your vehicle's fuse diagram to determine the correct slot for the 25 Amp MAXI fuse. It is critical to match the fuse type and amp rating precisely.
4. **Insert New Fuse:** Carefully insert the Bussmann MAX-25 fuse into the designated slot. Ensure it is seated firmly and correctly. Do not force the fuse into a slot it does not fit.
5. **Reconnect Power:** Once the fuse is securely installed, reconnect the negative battery terminal and turn the ignition on to test the circuit.

Warning: Never replace a fuse with one of a higher amp rating than specified by the manufacturer. Doing so can lead to overheating, wiring damage, and potential fire hazards. Always use a fuse with the identical amp rating and type. The 25 Amp MAXI fuse is typically gray in color, which is an industry standard for this rating.

OPERATION

The Bussmann MAX-25 fuse operates as a critical safety device within your vehicle's electrical system. Its primary function is to protect electrical components and wiring from damage caused by overcurrent conditions, such as short circuits or excessive loads.

- **Circuit Protection:** When the electrical current flowing through the circuit exceeds the fuse's 25 Amp rating, the metallic element inside the fuse melts, or 'blows'. This action intentionally breaks the circuit, stopping the flow of electricity and preventing damage to the protected components and wiring.
- **Passive Function:** Fuses are passive devices; they do not actively control current but react to overcurrent conditions. Once a fuse blows, it must be replaced.
- **Enclosed Element:** The enclosed design of the fuse element provides electrical isolation, ensuring that when the fuse blows, the molten metal is contained, reducing the risk of secondary damage.

MAINTENANCE

Fuses are generally maintenance-free components designed for single-use protection. Once a fuse has blown, it cannot be repaired and must be replaced. However, proper handling and storage can contribute to their longevity and reliability.

- **Replacement Only:** If a circuit stops functioning due to a blown fuse, the only maintenance required is to replace the blown fuse with a new one of the exact same type and amp rating (Bussmann MAX-25, 25 Amp).
- **Corrosion Resistance:** The design of Bussmann FMM fuses includes features for corrosion resistance, contributing to a longer service life in various automotive environments. Regularly inspect fuse terminals for any signs of corrosion, especially in humid or harsh conditions.
- **Storage:** Store spare fuses in a dry, cool place, away from direct sunlight and extreme temperatures, to preserve their integrity.

TROUBLESHOOTING

If an electrical component or circuit in your vehicle stops working, a blown fuse is a common cause. Follow these steps to troubleshoot:

1. **Identify Affected Circuit:** Determine which electrical component or system is not functioning (e.g., power outlet, lights, radio).
2. **Locate Corresponding Fuse:** Refer to your vehicle's owner's manual or the fuse box diagram to find the fuse associated with the non-functional circuit.
3. **Inspect the Fuse:** With the ignition off and battery disconnected, carefully remove the suspected fuse using a fuse puller (if available) or small pliers. Visually inspect the fuse. A blown fuse will typically have a broken or melted wire filament inside the transparent housing. The Bussmann MAX-25 fuse is gray, and a clear break in the internal element indicates it has blown.
4. **Replace Blown Fuse:** If the fuse is blown, replace it with a new Bussmann MAX-25 fuse (25 Amp, gray). Ensure the replacement fuse has the exact same amp rating as the original.
5. **Test the Circuit:** Reconnect the battery and test the circuit. If the component now works, the issue was a blown fuse.
6. **Repeated Blowing:** If the new fuse blows immediately or shortly after replacement, this indicates a more significant electrical problem, such as a short circuit or an overloaded component. In such cases, it is recommended to consult a qualified automotive technician for diagnosis and repair. Do not repeatedly replace fuses without addressing the underlying issue.

SPECIFICATIONS

Brand	Bussmann
Model	MAX-25
Current Rating	25 Amps
Voltage Rating	32 Volts (DC)
Material	Colored plastic housing, Zinc fuse element
Color	Gray (Standard for 25A MAXI fuses)
Specification Met	UL Recognized
Mounting Type	Through-Hole Mount
Item Weight	0.32 ounces
UPC	051712614467



Image: A variety of Bussmann automotive fuses, including blade fuses and other types, illustrating the range of circuit protection products available. This image provides context for different fuse types.



Image: An assortment of Bussmann automotive electrical components, including various fuses, circuit breakers, and relays. This image demonstrates the broader context of automotive electrical protection.

WARRANTY INFORMATION

Specific warranty details for the Bussmann MAX-25 Automotive Fuse are not provided in this document. For information regarding

product warranty, please refer to the official Bussmann website or contact Bussmann customer support directly. Fuses are consumable components designed to fail under overcurrent conditions to protect other parts of the electrical system.

SUPPORT AND CONTACT

For technical assistance, product inquiries, or further support regarding Bussmann products, please visit the official Bussmann website or contact their customer service department. Contact information can typically be found on the manufacturer's official website.

- **Manufacturer:** Bussmann (part of Eaton)
- **Official Website:** Eaton Bussmann Series