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› [BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuses \(Model GF-0520-10A\) Instruction Manual](#)

BOJACK GF-0520-10A

BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuses Instruction Manual

Model: GF-0520-10A

1. INTRODUCTION

This manual provides essential information for the safe and effective use of BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuses. Please read these instructions carefully before installation or use to ensure proper function and safety.

2. PRODUCT OVERVIEW

The BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuses are designed to protect electrical circuits from overcurrent conditions. When a circuit malfunctions or experiences an abnormal current increase, the fuse is engineered to interrupt the current flow, thereby preventing damage to components or potential hazards like fire.

Key Features:

- **Type:** Fast-Blow Glass Fuse
- **Dimensions:** 5x20mm (0.2x0.78 inches)
- **Current Rating:** 10 Amperes (10A)
- **Voltage Rating:** 250 Volts (250V)
- **Material:** Glass
- **Packaging:** Supplied in a plastic storage case for convenience and protection.



Figure 1: A collection of BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuses, showcasing their transparent glass body and metal end caps.



Figure 2: BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuses neatly stored within their provided plastic case, ensuring organization and protection.

3. SAFETY INFORMATION

Always prioritize safety when working with electrical components. Failure to follow these guidelines may result in electric shock, injury, or damage to equipment.

- **Disconnect Power:** Always ensure that the power supply to the circuit is completely disconnected before inspecting, removing, or installing fuses.
- **Correct Rating:** Only replace a fuse with one of the exact same type, current rating (Amps), and voltage rating (Volts). Using an incorrect fuse can lead to inadequate protection or damage.
- **Handle with Care:** Glass fuses are fragile. Handle them carefully to avoid breakage.
- **Qualified Personnel:** Fuse replacement should ideally be performed by qualified personnel or individuals with sufficient knowledge of electrical safety.
- **Avoid Overloading:** Never attempt to bypass a fuse or use a fuse with a higher rating than specified for the circuit.

This can lead to severe damage or fire.

4. SETUP AND INSTALLATION

Proper identification and installation are crucial for the effective protection provided by these fuses.

4.1 Identifying the Correct Fuse

Before replacing a fuse, it is essential to confirm that the replacement fuse matches the specifications of the original. The BOJACK GF-0520-10A fuse has specific dimensions and electrical ratings.



Figure 3: A diagram illustrating different fuse sizes. Ensure the fuse you are replacing is 5x20mm with a 250V rating, as indicated by the green checkmark for the BOJACK GF-0520-10A model.

As shown in Figure 3, verify that the fuse dimensions are 5mm in diameter and 20mm in length. Also, confirm the current rating (10A) and voltage rating (250V) match the requirements of your application.

4.2 Installation Steps

1. **Power Off:** Ensure all power to the circuit is completely turned off and verified with a voltage tester.
2. **Locate Fuse Holder:** Identify the fuse holder in your equipment or circuit.
3. **Remove Blown Fuse:** Carefully remove the blown fuse from its holder. Note its orientation if applicable, though these cylindrical fuses are typically non-polarized.
4. **Insert New Fuse:** Insert the new BOJACK 5x20mm 10A 250V Fast-Blow Glass Fuse into the fuse holder. Ensure it is seated firmly and correctly.
5. **Restore Power:** Once the new fuse is securely in place, you may restore power to the circuit.

5. OPERATING PRINCIPLE

A fast-blow glass fuse contains a thin wire or filament designed to melt and break when the current flowing through it exceeds its rated capacity for a specified duration. This interruption of the circuit protects sensitive components from damage caused by excessive current, which can occur due to short circuits, overloads, or other electrical faults. The transparent glass body allows for visual inspection to determine if the fuse element has blown.

6. MAINTENANCE

These fuses require minimal maintenance, but proper handling and storage are important for their longevity and reliability.

- **Storage:** Store unused fuses in their original plastic storage case in a cool, dry place, away from direct sunlight and extreme temperatures. This protects them from physical damage and environmental degradation.
- **Inspection:** Periodically inspect fuses in critical applications for any signs of physical damage or discoloration, although a blown fuse is typically evident by a broken filament.

7. TROUBLESHOOTING

If a circuit protected by a fuse stops functioning, the fuse may have blown. Here's how to troubleshoot:

- **No Power:** If the device or circuit has no power, first check the fuse.
- **Visual Inspection:** With power disconnected, remove the fuse and visually inspect the glass tube. A blown fuse will typically have a visibly broken or charred filament inside.
- **Continuity Test:** For a more definitive test, use a multimeter to check for continuity across the fuse. A good fuse will show continuity (a very low resistance reading), while a blown fuse will show an open circuit (infinite resistance).
- **Repeated Blowing:** If a new fuse blows immediately after installation, it indicates an underlying electrical problem in the circuit (e.g., a short circuit or persistent overload). Do not continue replacing fuses without addressing the root cause, as this can lead to further damage or safety hazards. Consult a qualified electrician if the problem persists.

8. SPECIFICATIONS

Specification	Value
Model Number	GF-0520-10A
Fuse Type	Fast-Blow Glass Fuse
Dimensions	5x20mm (0.2x0.78 inches)
Current Rating	10 Amperes (10A)
Voltage Rating	250 Volts (250V)

Specification	Value
Material	Glass
Mounting Type	Surface Mount (for fuse holders)
Package Quantity	20 pcs

9. WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please refer to the BOJACK official website or contact your retailer. Ensure you have your purchase details and model number (GF-0520-10A) available when seeking support.