

Standard Motor Products HP3060

Standard Motor Products HP3060 Fuse Holder

Instruction Manual

1. INTRODUCTION

The Standard Motor Products HP3060 Fuse Holder is designed to provide reliable circuit protection in various automotive and electrical applications. This manual provides essential information for the proper installation, operation, and maintenance of your fuse holder, ensuring its longevity and optimal performance.

This product is a critical component for safeguarding electrical circuits from overcurrent conditions, preventing damage to wiring and connected devices. It is intended for use with appropriate fuses (not included) that match the circuit's current requirements.

2. SAFETY INFORMATION

- Always prioritize safety when working with electrical components. Failure to follow these safety guidelines may result in personal injury, property damage, or product malfunction.
- **Disconnect Power:** Before installing or servicing the fuse holder, always disconnect the power source to the circuit. This typically involves disconnecting the vehicle's battery or turning off the relevant circuit breaker.
 - **Use Correct Fuse:** Only use fuses of the correct amperage rating for the circuit being protected. Using an incorrect fuse can lead to inadequate protection or circuit overload.
 - **Insulation:** Ensure all connections are properly insulated to prevent short circuits.
 - **Professional Installation:** If you are unsure about any aspect of the installation or electrical work, consult a qualified automotive electrician or technician.
 - **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

3. PRODUCT OVERVIEW

The HP3060 Fuse Holder is designed for inline installation, providing a secure and protected housing for a single fuse. Its

robust construction ensures durability in automotive environments.

What's in the Box:

- One (1) Fuse Holder

Product Images:



Figure 3.1: Front view of the HP3060 Fuse Holder in its retail packaging, showing the product name and specifications.



Figure 3.2: Angled view of the HP3060 Fuse Holder in its retail packaging, highlighting the compact design.



Figure 3.3: Side view of the HP3060 Fuse Holder in its retail packaging, showing the wire leads.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the fuse holder. Follow these steps carefully:

1. **Identify Circuit:** Determine the specific electrical circuit where the fuse holder will be installed. Ensure the circuit's voltage and current requirements are compatible with the fuse holder and the fuse you intend to use.
2. **Disconnect Power:** As a primary safety measure, disconnect the power to the circuit. For vehicle applications, this typically means disconnecting the negative terminal of the battery.
3. **Prepare Wires:** Cut the circuit wire at the desired installation point. Strip approximately 1/2 inch (1.27 cm) of insulation from the ends of the circuit wires and the fuse holder's wires.
4. **Connect Wires:** Connect one end of the fuse holder's wire to one end of the cut circuit wire. Connect the other end of the fuse holder's wire to the other end of the cut circuit wire. Use appropriate connectors (e.g., crimp connectors, solder) and ensure secure, insulated connections.
5. **Insert Fuse:** Open the fuse holder's cap and insert the correctly rated fuse (ATC/ATO type) into the holder. Ensure the fuse is seated firmly.
6. **Secure Cap:** Close the fuse holder's cap securely to protect the fuse from environmental elements.
7. **Reconnect Power:** Once all connections are secure and insulated, reconnect the power source (e.g., vehicle battery).
8. **Test Circuit:** Verify that the circuit is functioning correctly after installation.

5. OPERATING INSTRUCTIONS

The HP3060 Fuse Holder operates passively by housing a fuse that protects an electrical circuit. When an overcurrent condition occurs, the fuse inside the holder will blow, interrupting the circuit and preventing damage to components or wiring.

Fuse Replacement:

If a fuse blows, it indicates an issue within the circuit. Before replacing the fuse, identify and resolve the underlying cause of the overcurrent. Replacing a blown fuse without addressing the root cause will likely result in the new fuse blowing as

well.

1. **Disconnect Power:** Always disconnect power to the circuit before attempting to replace a fuse.
2. **Open Holder:** Open the fuse holder's cap.
3. **Remove Blown Fuse:** Carefully remove the blown fuse. Note its amperage rating.
4. **Insert New Fuse:** Insert a new fuse of the *exact same amperage rating* into the holder. Never use a fuse with a higher rating than specified for the circuit.
5. **Close Holder:** Securely close the fuse holder's cap.
6. **Reconnect Power:** Reconnect power to the circuit and test for proper operation.

6. MAINTENANCE

The HP3060 Fuse Holder requires minimal maintenance. Regular inspection can help ensure its continued reliability.

- **Periodic Inspection:** Periodically inspect the fuse holder and its connections for any signs of wear, corrosion, or damage. Check the integrity of the wire insulation.
- **Cleanliness:** Keep the fuse holder clean and free from dirt, dust, and moisture. Use a dry, soft cloth for cleaning. Avoid using harsh chemicals or abrasive materials.
- **Secure Connections:** Ensure that all electrical connections remain tight and secure. Loose connections can lead to resistance, heat buildup, and potential circuit issues.

7. TROUBLESHOOTING

If the circuit protected by the fuse holder is not functioning, consider the following troubleshooting steps:

- **No Power to Circuit:**
 - Check if the fuse inside the holder is blown. A blown fuse will typically have a visible break in its internal wire or element.
 - Ensure the fuse is correctly seated in the holder.
 - Verify that power is reaching the fuse holder's input side. Use a multimeter if necessary.
 - Check all connections for looseness or corrosion.
- **Repeatedly Blown Fuses:**
 - This indicates an underlying issue in the circuit, such as a short circuit, an overloaded component, or a faulty device.
 - Do not continuously replace fuses without identifying and correcting the cause. This can lead to wiring damage or fire.
 - Inspect the wiring for pinched, frayed, or exposed sections that could be shorting to ground or other wires.
 - Check the current draw of the connected device(s) to ensure it does not exceed the circuit's capacity or the fuse rating.

If you are unable to diagnose or resolve the issue, it is recommended to seek assistance from a qualified professional.

8. SPECIFICATIONS

Attribute	Detail
Manufacturer	Standard Motor Products
Model Number	HP3060
Product Type	Auto Accessory (Fuse Holder)
Item Weight	0.01 ounces (0.28 grams)
Product Dimensions	1.38 x 1.13 x 2.75 inches (3.5 x 2.87 x 6.98 cm)
Item Package Weight	0.60 Pounds (272 grams)
Item Package Dimensions	5.75L x 3.75W x 0.30H inches (14.6 x 9.5 x 0.76 cm)
Item Package Quantity	1
Exterior Finish	Machined
First Available Date	July 31, 2008

9. WARRANTY AND SUPPORT

Specific warranty information for the Standard Motor Products HP3060 Fuse Holder is typically provided by the manufacturer at the time of purchase or can be found on the official Standard Motor Products website. Please refer to the documentation included with your purchase for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact Standard Motor Products directly through their official customer service channels. Contact information can usually be found on their website or product packaging.

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