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› Osram 172729 - 6423 Miniature Automotive Light Bulb Instruction Manual

## OSRAM 172729

# Osram 172729 - 6423 Miniature Automotive Light Bulb Instruction Manual

Model: 172729

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your Osram 172729 - 6423 Miniature Automotive Light Bulb. Please read these instructions carefully before installation and retain this manual for future reference. Proper installation and maintenance ensure optimal performance and longevity of the product.

## 2. PRODUCT OVERVIEW

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The Osram 172729 - 6423 is a miniature incandescent light bulb designed for various automotive applications. It features a festoon base (SV8.5) and operates at 24 volts with a power consumption of 5 watts. This bulb is commonly used in interior lighting, license plate lights, or other auxiliary lighting systems in vehicles.



Figure 1: Osram 172729 - 6423 Miniature Automotive Light Bulb. This image displays a clear glass miniature automotive light bulb with metal caps on both ends, indicating its festoon base design.

## 3. SPECIFICATIONS

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Refer to the table below for detailed technical specifications of the Osram 172729 - 6423 Miniature Automotive Light Bulb.

| Specification      | Value                     |
|--------------------|---------------------------|
| Brand              | OSRAM                     |
| Part Number        | 172729                    |
| Model Number       | 6423                      |
| Item Weight        | 3.53 ounces               |
| Product Dimensions | 3.94 x 1.97 x 1.97 inches |
| Voltage            | 24 Volts                  |
| Wattage            | 5 Watts                   |
| Average Life       | 200 Hours                 |
| Material           | Copper                    |
| Base Type          | SV8.5 Festoon             |

## 4. INSTALLATION (SETUP)

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Follow these steps for safe and proper installation of the light bulb:

- Safety First:** Ensure the vehicle's ignition is off and the relevant circuit is de-energized to prevent electrical shock or short circuits. Allow any existing bulb to cool down completely before handling, as it may be hot.
- Locate the Bulb:** Identify the light fixture where the bulb needs to be replaced. This may require consulting your vehicle's service manual for specific instructions on accessing the bulb housing.
- Remove Old Bulb:** Carefully remove the old bulb. For festoon bulbs, this typically involves gently prying one end out of its spring-loaded socket. Avoid excessive force to prevent damage to the fixture.
- Insert New Bulb:** Hold the new Osram 172729 - 6423 bulb by its metal ends or glass body (if clean) and align one end with the socket. Gently push the other end into the spring-loaded contact until it seats securely. Ensure the bulb is firmly in place and makes good contact with both terminals.
- Test Functionality:** Restore power to the circuit and test the light to ensure the new bulb is functioning correctly.
- Reassemble:** Reassemble any covers or housing components that were removed during the installation process.

## 5. OPERATION

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Once correctly installed, the Osram 172729 - 6423 Miniature Automotive Light Bulb operates automatically with your vehicle's electrical system. It will illuminate when the corresponding circuit is activated (e.g., turning on interior lights, activating license plate lights).

## 6. MAINTENANCE

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The Osram 172729 - 6423 light bulb requires minimal maintenance. Its average lifespan is approximately 200 hours. When the bulb ceases to function, it should be replaced following the installation steps outlined in Section 4.

- Cleaning:** If the glass surface of the bulb becomes dirty, gently wipe it with a clean, dry, lint-free cloth. Avoid using abrasive cleaners or excessive moisture.
- Replacement:** Replace the bulb when it burns out. Always use a bulb with the correct voltage and wattage specifications to

ensure proper vehicle electrical system function and bulb longevity.

## 7. TROUBLESHOOTING

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If the Osram 172729 - 6423 light bulb does not illuminate after installation, consider the following troubleshooting steps:

- **Check Power Supply:** Ensure the vehicle's ignition is on and the relevant light switch is in the 'on' position.
- **Inspect Connections:** Verify that the bulb is securely seated in its socket and making proper electrical contact. Gently adjust if necessary.
- **Examine Fuse:** Check the vehicle's fuse box for a blown fuse corresponding to the light circuit. Replace any blown fuses with a fuse of the correct amperage. Consult your vehicle's manual for fuse box location and fuse ratings.
- **Test with Another Bulb:** If possible, test the socket with a known working bulb of the same type to rule out a faulty socket or wiring issue.
- **Replace Bulb:** If all other checks pass, the new bulb itself may be faulty. Replace it with another new bulb.

## 8. SAFETY INFORMATION

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Observe the following safety precautions when handling and installing the light bulb:

- **Electrical Hazard:** Always disconnect power to the circuit before installing or removing the bulb to prevent electrical shock.
- **Hot Surface:** Light bulbs can become very hot during operation. Allow sufficient time for the bulb to cool down before handling to avoid burns.
- **Fragile Material:** The bulb is made of glass and can break if dropped or mishandled. Handle with care.
- **Correct Voltage:** Ensure the replacement bulb matches the vehicle's specified voltage (24V for this model) to prevent damage to the electrical system or premature bulb failure.
- **Disposal:** Dispose of used or broken bulbs according to local regulations.

## 9. WARRANTY AND SUPPORT

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Specific warranty details for the Osram 172729 - 6423 Miniature Automotive Light Bulb may vary depending on the retailer and region of purchase. Please retain your proof of purchase for any warranty claims.

For technical support or further inquiries, please contact your retailer or visit the official OSRAM website. You can find more information about OSRAM products at the [OSRAM Store on Amazon](#).