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> [SYLVANIA 9007 LED Powersport Bulbs Instruction Manual](#)

## SYLVANIA 9007SL.BX2

# SYLVANIA 9007 LED Powersport Bulbs Instruction Manual

Model: 9007SL.BX2

## 1. PRODUCT OVERVIEW

The SYLVANIA 9007 LED Powersport Bulbs are designed to provide superior illumination for off-road vehicles and fog light applications. These bulbs offer a 6000K cool white light for enhanced clarity and visibility. Engineered for direct replacement, they feature a compact design and robust construction for longevity and performance.



Image: SYLVANIA 9007 LED Powersport Bulbs, showing the product packaging and the two LED bulbs.



Image: A vehicle illuminated by SYLVANIA lights at night, demonstrating improved visibility.

## 2. SPECIFICATIONS

The SYLVANIA 9007 LED Powersport Bulbs are built with advanced features to ensure optimal performance and durability.

- **Bulb Type:** 9007 LED
- **Color Temperature:** 6000 Kelvin (Cool White Light)
- **Application:** Powersport vehicles, Off-Road Use, Fog Lights
- **Quantity:** 2 Bulbs per pack
- **Housing Material:** Aviation Grade Aluminum Body for maximum heat dissipation
- **Cooling:** Active Cooling Fan (Turbo cooled at 10,000 RPM)
- **Installation:** Direct Replacement, No polarity, Compact design
- **Waterproof:** Yes
- **Dimensions:** 5.36 x 3.59 x 5 inches
- **Weight:** 9.9 ounces



Image: Packaging reverse, highlighting features such as 6000K cool white light, direct replacement, active cooling fan, and aviation grade aluminum body.

# DESIGNED TO PERFORM

**6000K COOL WHITE LIGHT**  
Superior cool-white light for better clarity.

**DIRECT REPLACEMENT**  
Easy to install. No polarity, compact design.



**AVIATION GRADE ALUMINUM BODY**  
Maximizes heat dissipation to keep LEDs cool.

**ACTIVE COOLING FAN**  
Turbo cooled at 10,000 RPM to maximize LED life.

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Image: Detailed diagram illustrating the 6000K cool white light, direct replacement capability, aviation grade aluminum body, and active cooling fan of the LED bulb.

## 3. SETUP AND INSTALLATION

These LED bulbs are designed for easy, direct replacement of your existing 9007 bulbs. No complex wiring or modifications are typically required due to their compact design and non-polarity feature.

### Installation Steps:

1. **Safety First:** Ensure your vehicle's engine is off and the battery is disconnected before beginning installation. Allow existing bulbs to cool if they have been recently in use.
2. **Access Bulb Housing:** Locate the headlight or fog light housing. Depending on your vehicle model, you may need to remove covers or other components to access the bulb.
3. **Remove Old Bulb:** Carefully twist and pull out the old 9007 bulb from its socket. Disconnect any electrical connectors.
4. **Install New LED Bulb:** Connect the SYLVANIA 9007 LED bulb to the vehicle's electrical connector. Insert the LED bulb into the housing, ensuring it is seated correctly and securely. The compact design facilitates easy fitment.
5. **Secure and Test:** Re-secure any covers or components removed earlier. Reconnect the battery. Turn on your vehicle's lights to test the new LED bulbs.

*Note:* Some vehicles may require additional clearance (approximately 1 inch) due to the heatsink. For

certain vehicle models, a resistor may be necessary to prevent flickering or error messages. Consult your vehicle's service manual or a qualified technician if you encounter issues.

# MADE TO FIT

Easy direct replacement, with no polarity and a compact design.



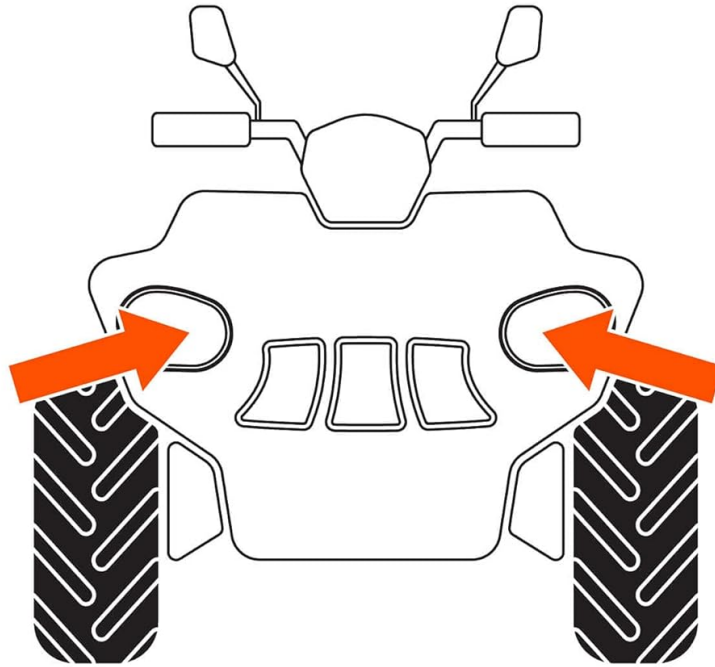
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Image: A mechanic installing a headlight bulb, demonstrating the ease of direct replacement.

# REPLACEMENT LIGHTING

For Powersports headlights.



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Image: A diagram illustrating the replacement lighting application for powersports headlights.

## 4. OPERATING INSTRUCTIONS

Once installed, the SYLVANIA 9007 LED Powersport Bulbs operate like standard bulbs, providing immediate, bright illumination when activated. These bulbs are specifically designed for off-road use or as fog lights.

### Key Operating Characteristics:

- **Instant Brightness:** LEDs provide full brightness immediately upon activation, unlike some traditional bulbs that require warm-up time.
- **Cool White Light:** The 6000K color temperature produces a crisp, cool white light that enhances visibility and clarity, especially in challenging conditions.
- **Optimized Beam Pattern:** Designed to provide an effective light pattern for their intended use, minimizing glare when properly installed.

# EXPERIENCE THE DIFFERENCE FOR YOURSELF

Cool white SYLVANIA LED light.



**HALOGEN**

SYLVANIA BASIC



**LED**

SYLVANIA LED

**SYLVANIA**

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Image: A visual comparison demonstrating the superior clarity and brightness of SYLVANIA LED lights compared to traditional halogen bulbs on a dirt road.

# BRIGHT, WHITE LED LIGHT

6000K cool-white light  
for better clarity.



Image: A night scene showing a road brightly illuminated by 6000K cool-white LED light, emphasizing clarity.

## 5. MAINTENANCE

SYLVANIA LED bulbs are designed for long-term performance and require minimal maintenance. The integrated active cooling fan and aviation-grade aluminum body help manage heat, contributing to their extended lifespan.

- **Regular Inspection:** Periodically check the bulbs for any signs of damage or loose connections.
- **Cleanliness:** Ensure the headlight or fog light lenses are clean to maximize light output. Use a soft cloth and appropriate cleaning solution.
- **Avoid Obstruction:** Do not obstruct the cooling fan on the bulb's base, as this can lead to overheating and reduced lifespan.

## 6. TROUBLESHOOTING

If you experience issues with your SYLVANIA 9007 LED Powersport Bulbs, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulbs flicker or do not turn on	Loose connection, polarity issue (unlikely for non-polarity design but check), or vehicle's electrical system requires a resistor.	Check all connections. Ensure bulbs are fully seated. For some vehicles (e.g., 2003 Dodge Ram), an additional resistor may be needed between the bulb and harness.
Error message on dashboard	Vehicle's CAN bus system detects lower power draw from LEDs and interprets it as a bulb out.	Install a CAN bus decoder or load resistor (sold separately) to simulate the power draw of a halogen bulb.
Reduced light output or premature failure	Overheating due to obstructed cooling fan or improper installation.	Ensure the cooling fan is not obstructed and has adequate airflow. Verify proper installation and seating of the bulb.

If problems persist after troubleshooting, contact SYLVANIA customer support or consult a professional automotive technician.

## 7. WARRANTY AND SUPPORT

SYLVANIA 9007 LED Powersport Bulbs come with a **5-Year Warranty**, reflecting the product's quality and durability.

# DESIGNED FOR LONGEVITY



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1 SEE PACKAGE FOR DETAILS

Image: SYLVANIA 5 Year Warranty emblem, indicating the product's extended warranty period.

For warranty claims, technical assistance, or further inquiries, please refer to the official SYLVANIA website or contact their customer support. You can also find more information and products on the [SYLVANIA Store on Amazon](#).

A detailed User Guide (PDF) is also available for download: [User Guide \(PDF\)](#).

## 8. SAFETY INFORMATION

SYLVANIA headlight bulbs are designed with safety in mind to prevent dangerous glare when installed properly. It is crucial to ensure correct installation to maintain safe driving conditions for yourself and others on the road.

- This product is intended for **Off-Road Use or Fog Lights Only** and is not intended for DOT-Regulated applications.
- Always disconnect the vehicle's battery before performing any electrical work.
- Wear appropriate safety gear, such as gloves and eye protection, during installation.
- Ensure bulbs are securely fastened to prevent vibration damage.
- Dispose of old bulbs responsibly according to local regulations.

**Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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