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› [Sinoparcel 9005/HB3 Halogen High Beam Headlight Bulb Instruction Manual](#)

Sinoparcel CASP-HA9005

Sinoparcel 9005/HB3 Halogen High Beam Headlight Bulb

Model: CASP-HA9005

Your guide to optimal automotive lighting.

1. INTRODUCTION

Thank you for choosing Sinoparcel 9005/HB3 Halogen High Beam Headlight Bulbs. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new headlight bulbs. Please read this manual thoroughly before installation and keep it for future reference.



Figure 1.1: Sinoparcel 9005/HB3 Halogen Headlight Bulbs

This image displays the two Sinoparcel 9005/HB3 halogen headlight bulbs, showcasing their design and the accompanying product packaging. The bulbs feature a clear glass housing with a blue tint at the tip, and a black base with electrical connectors, indicating their readiness for installation.

2. SAFETY INFORMATION

Always prioritize safety when working with automotive electrical components. Failure to follow these instructions may result in personal injury or damage to your vehicle.

- **Wear Protective Gloves:** Always wear clean gloves when handling the halogen bulbs. Oils from your skin can transfer to the glass, creating hot spots that reduce bulb life and brightness.
- **Vehicle Compatibility:** Ensure the bulb type (9005/HB3) is compatible with your vehicle's headlight system. These bulbs are designed to replace stock halogen bulbs only and are not suitable for HID systems.
- **Power Off:** Before beginning installation, ensure your vehicle's ignition is off and the headlights are switched off to prevent electrical shock.
- **Allow Cooling:** If replacing existing bulbs, allow them to cool down completely before handling, as they can become very hot during operation.

- **Proper Disposal:** Dispose of old bulbs according to local regulations.

3. PRODUCT OVERVIEW

The Sinoparcel 9005/HB3 Halogen Headlight Bulbs are engineered to provide enhanced illumination for your vehicle's high beam headlights. They offer a 3800K color temperature, producing a bright, white-yellow light that improves visibility in various driving conditions, including rain and fog.

Key Features:

- **Enhanced Brightness:** Provides a wider and clearer light output compared to standard halogen bulbs.
- **Optimal Color Temperature:** 3800K for strong penetrability, ensuring clear vision in adverse weather.
- **360° Light Pattern:** Illuminates not only the road ahead but also the sides, enhancing overall visibility.
- **Durable Construction:** Features high purity quartz glass, copper, stainless steel, and PPS materials for heat resistance and longevity.
- **Easy Installation:** Designed for a simple plug-and-play replacement.



Figure 3.1: Bulb Component Diagram

This diagram illustrates the main components of the Sinoparcel halogen bulb: the glass shell made of high purity quartz glass for thermal change resistance, the light cap made of copper, stainless steel, and PPS for thermal conductivity and heat resistance, and the light base made of molybdenum with a high melting point and similar thermal expansion to quartz glass.

4. INSTALLATION (SETUP)

The Sinoparcel 9005/HB3 bulbs are designed for a straightforward plug-and-play installation. Typically, the process takes less than 10 minutes.

Installation Steps:

1. **Verify Compatibility:** Before purchasing or installing, confirm that the 9005/HB3 bulb type is correct for your vehicle's high beam headlights. Refer to your vehicle's owner's manual or use online compatibility checkers.
2. **Access Headlight Assembly:** Open your vehicle's hood and locate the rear of the headlight assembly. Depending on your vehicle model, you may need to remove covers or other components to gain access.
3. **Disconnect Wiring:** Carefully disconnect the electrical connector from the back of the existing headlight bulb.
4. **Remove Old Bulb:** Unclip or twist to release the old halogen bulb from its housing. Handle the old bulb by its base to avoid touching the glass.
5. **Install New Bulb:** While wearing clean gloves, insert the new Sinoparcel 9005/HB3 bulb into the headlight housing. Ensure it is seated correctly and secured in place by clipping or twisting.
6. **Reconnect Wiring:** Reconnect the electrical connector to the new bulb.
7. **Test Functionality:** Turn on your vehicle's high beams to ensure both new bulbs are functioning correctly.
8. **Reassemble:** Replace any covers or components that were removed during the process.

Some others



Sinoparcel



Figure 4.1: How to Choose Correct Bulb Size

This image provides a visual guide on how to determine the correct headlight bulb size for your vehicle. It highlights using Amazon's confirmed fit tool by entering your vehicle's make, year, and model, checking the size of your stock headlight bulb, and consulting your owner's vehicle manual. Examples of different bulb bases (H4, H7, H11, HB4/9006, HIR2/9012) are shown for reference.

5. OPERATING INSTRUCTIONS

Once installed, your Sinoparcel 9005/HB3 halogen bulbs will operate as part of your vehicle's standard high beam system. These bulbs are designed to provide superior illumination for safer night driving.

Optimal Performance:

- **Enhanced Visibility:** The 3800K color temperature provides a bright, white-yellow light that cuts through rain, fog, and smog more effectively than higher Kelvin temperature bulbs, ensuring clear road visibility.
- **Wider Beam Pattern:** The 360° light emission ensures that not only the direct path ahead but also the peripheral areas are well-lit, improving awareness of surroundings.
- **Instant On:** Halogen bulbs provide instant full brightness upon activation, with no warm-up time required.

3800K Color Temperature With Strong Penetrability

*Brighter than your stock halogen bulb, but not pure white,
in order to see better in rainy/foggy/smoggy/san-dust day, drive safer.*



Figure 5.1: 3800K Color Temperature in Rain

This image illustrates a vehicle driving in rainy conditions, demonstrating the effectiveness of 3800K color temperature headlights. The bright, penetrating light helps the driver see clearly despite the rain, highlighting the bulb's strong penetrability for safer driving in challenging weather.



Figure 5.2: Color Temperature Comparison

This visual comparison demonstrates the difference in light output and effectiveness across various color temperatures. It shows that 2800K is too dim and yellow, 3800K offers sufficient penetrability with a pleasant white-yellow light, and 6500K is too white, leading to weak penetrability and glare, especially in adverse conditions.



Figure 5.3: Sinoparcel vs. Other Bulbs Light Output

This image provides a direct comparison of road illumination between generic headlight bulbs ('Some others') and Sinoparcel bulbs. The top panel shows a narrower and less intense light spread from other bulbs, while the bottom panel clearly demonstrates the Sinoparcel bulbs' superior brightness and wider beam pattern, illuminating more of the road for improved safety.

6. MAINTENANCE

Sinoparcel halogen bulbs are designed for durability and consistent performance. Minimal maintenance is required, but following these guidelines can help maximize their lifespan.

- **Avoid Touching Glass:** As mentioned in safety, always handle the bulb by its base. If the glass is accidentally touched, clean it with an alcohol wipe and allow it to dry completely before installation.
- **Regular Inspection:** Periodically check your headlights for proper function. If a bulb appears dim or has stopped working, it may be time for a replacement.
- **Operating Life:** The typical operating life for these bulbs is approximately 550 hours. Actual lifespan may vary based on usage conditions.

7. TROUBLESHOOTING

If you encounter issues with your Sinoparcel headlight bulbs, consider the following common troubleshooting steps:

- **Bulb Not Lighting Up:**
 - Check the electrical connection to ensure it is securely plugged into the bulb.

- Verify the bulb is correctly seated and locked into the headlight housing.
 - Inspect the vehicle's fuse box for a blown headlight fuse.
 - Ensure the bulb type (9005/HB3) is indeed the correct fit for your vehicle's specific headlight assembly.
- **Dim or Flickering Light:**
 - Check for loose connections at the bulb or vehicle wiring harness.
 - Ensure the bulb's glass was not touched during installation, as oil residue can cause dimming or premature failure.
 - Verify your vehicle's charging system is functioning correctly, providing stable voltage to the headlights.
- **Only One Bulb Working:**
 - Repeat installation steps for the non-working bulb.
 - Swap the non-working bulb with the working one to determine if the issue is with the bulb or the vehicle's wiring/socket.

If these steps do not resolve the issue, please refer to the Warranty and Support section for further assistance.

8. SPECIFICATIONS

Attribute	Detail
Brand	Sinoparcel
Model Number	CASP-HA9005
Bulb Type	9005/HB3 Halogen
Color Temperature	3800K
Power	65W
Voltage	12 Volts
Operating Life	550 Hours
Auto Part Position	Front Outer
Item Weight	1.38 ounces
Product Dimensions	2.09 x 1.18 x 1.65 inches
Item Package Quantity	1 (per bulb, sold as pack of 2)

9. WARRANTY AND SUPPORT

Sinoparcel is committed to providing high-quality products and customer satisfaction. Your 9005/HB3 Halogen Headlight Bulbs come with lifetime support.

- **Lifetime Support:** Sinoparcel offers lifetime support for this product.
- **Contacting Support:** If you experience any issues with your product or require assistance, please contact us

via the Account Center where you made your purchase. We aim to respond to all inquiries within 24 hours.

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