

## Mercedes Benz 400809-000007-64

# Genuine Mercedes-Benz H7 Halogen Headlight Bulb

Instruction Manual for Part Number 400809-000007-64

## 1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Genuine Mercedes-Benz H7 Halogen Headlight Bulb. This bulb is designed to provide reliable illumination for your vehicle's headlight system.



Figure 1.1: Front view of the Genuine Mercedes-Benz H7 Halogen Headlight Bulb. This image shows the clear glass envelope and the metal base of the bulb.



Figure 1.2: Detailed view of the base of the H7 Halogen Headlight Bulb. This image highlights the two electrical terminals and the mounting flange.

This bulb is a genuine Mercedes-Benz part, ensuring compatibility and optimal performance with your vehicle. It is specifically designed as an H7 type halogen bulb, operating at 12 Volts and 55 Watts.

**Compatible Models:** This bulb is suitable for various Mercedes-Benz models, including but not limited to S320, E430 (1998-2000), E300, E320, S420, S430, S500, S600, and S55 (1995-1999 models without xenon headlights, for low beam or general headlamp applications).

## 2. SAFETY INFORMATION

- Always wear protective gloves and eye protection when handling headlight bulbs.
- Avoid touching the glass part of the bulb with bare hands. Oils from your skin can create hot spots and

significantly reduce bulb life. If touched, clean with rubbing alcohol and a lint-free cloth.

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation to prevent electrical shock.
- Allow the old bulb to cool down completely before removal, as it can be extremely hot.
- Dispose of old bulbs responsibly according to local regulations.

### 3. SETUP AND INSTALLATION

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Replacing a headlight bulb requires careful attention. Refer to your vehicle's specific owner's manual for detailed instructions on accessing the headlight assembly, as procedures may vary by model.

#### 3.1. Tools Required

- Protective gloves
- Safety glasses
- Flathead screwdriver (for some retaining clips)
- Torx or Phillips head screwdriver (if required for housing removal)

#### 3.2. Installation Steps

1. **Access the Headlight Assembly:** Depending on your Mercedes-Benz model, this may involve opening the hood and removing a cover, or in some cases, partially removing the bumper or fender liner. Consult your vehicle's owner's manual for precise access instructions.
2. **Disconnect Power:** Locate the electrical connector attached to the back of the old bulb. Carefully disconnect it by pressing any release tabs and pulling it straight off.
3. **Remove Old Bulb:** Identify the retaining clip or spring holding the bulb in place. Release it carefully. Gently pull the old bulb straight out from its socket. Avoid twisting.
4. **Insert New Bulb:** Holding the new Mercedes-Benz H7 bulb by its metal base (*do not touch the glass*), align the tabs on the bulb's base with the notches in the headlight socket. Insert the bulb firmly and straight into the socket until it seats properly.
5. **Secure Bulb:** Re-engage the retaining clip or spring to firmly hold the new bulb in place. Ensure it is securely fastened to prevent movement.
6. **Reconnect Power:** Reattach the electrical connector to the back of the new bulb. Ensure it clicks into place securely.
7. **Test Functionality:** Before reassembling any covers or components, turn on your vehicle's headlights to verify the new bulb is functioning correctly. Check both low beam and high beam (if applicable to the H7 position).
8. **Reassemble:** Once confirmed operational, reassemble any covers, panels, or components that were removed to access the headlight assembly.

### 4. OPERATING INFORMATION

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The Mercedes-Benz H7 Halogen Headlight Bulb operates as part of your vehicle's electrical system. Once installed, its operation is controlled by your vehicle's headlight switch and associated systems.

- **Standard Operation:** The bulb will illuminate when the vehicle's headlight switch is set to the appropriate position (e.g., low beam, auto).

- **Voltage:** Designed for 12-volt automotive electrical systems.
- **Wattage:** Rated at 55 Watts, providing standard illumination for its application.
- **Beam Pattern:** The H7 bulb's design contributes to the vehicle's specific headlight beam pattern, which is determined by the headlight housing and reflector/projector design. Ensure proper installation to maintain the intended beam pattern.

## 5. MAINTENANCE

Halogen headlight bulbs are generally maintenance-free. However, following these guidelines can help ensure their longevity and optimal performance:

- **Avoid Contamination:** As mentioned in safety, avoid touching the glass envelope of the bulb. If accidental contact occurs, clean the bulb with isopropyl alcohol and a clean, lint-free cloth before installation or operation.
- **Regular Inspection:** Periodically check your vehicle's headlights for proper operation. If one bulb fails, it is often recommended to replace both headlights simultaneously to ensure balanced illumination and consistent light output, as bulbs tend to dim over their lifespan.
- **Headlight Housing Integrity:** Ensure the headlight housing is sealed and free from cracks or moisture ingress. Water or condensation inside the housing can significantly reduce bulb life and performance.

## 6. TROUBLESHOOTING

If your new headlight bulb is not functioning as expected, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
New bulb does not light up.	Bulb not seated correctly. Electrical connector loose or not connected. Blown fuse in vehicle's fuse box. Faulty wiring or headlight switch. Defective bulb (rare for new genuine parts).	Re-seat the bulb firmly in the socket. Check and secure the electrical connector. Inspect and replace the relevant fuse (consult vehicle manual for fuse box location and diagram). Consult a qualified mechanic for electrical diagnosis. If all else fails, test with another known good bulb.
Bulb flickers or is dim.	Loose connection. Voltage fluctuations. Contamination on bulb glass.	Check and secure all connections. Ensure vehicle's charging system is functioning correctly. Clean the bulb with isopropyl alcohol if touched.

Problem	Possible Cause	Solution
Bulb burns out quickly.	Touching the glass during installation.	Ensure proper handling with gloves.
	Excessive vibration.	Verify bulb is securely seated and retaining clip is engaged.
	Over-voltage from vehicle's electrical system.	Have vehicle's electrical system checked by a professional.
	Moisture inside headlight housing.	Inspect headlight housing for cracks or damaged seals and repair as needed.

## 7. SPECIFICATIONS

Attribute	Detail
Product Type	Halogen Headlight Bulb
Bulb Type	H7
Brand	Mercedes-Benz
Manufacturer Part Number	400809-000007-64
Replaces Part Numbers	002-544-00-94, 400809-000001, 400809-000007
Voltage	12 Volts
Wattage	55 Watts
Color	Clear, Silver
Item Package Quantity	1
Fitment Type	Direct Replacement

## 8. WARRANTY INFORMATION

This Genuine Mercedes-Benz Headlight Bulb comes with a **1-year warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use and service. It does not cover damage resulting from improper installation, accident, misuse, abuse, or unauthorized modification.

For warranty claims, please retain your proof of purchase and contact the authorized Mercedes-Benz parts dealer or service center where the bulb was acquired.

## 9. CUSTOMER SUPPORT

For further assistance, technical inquiries, or to locate an authorized service center, please refer to the official Mercedes-Benz website or contact your local Mercedes-Benz dealership.

**Official Mercedes-Benz Website:** [www.mbusa.com](http://www.mbusa.com)

**Mercedes-Benz Store on Amazon:** [Visit the Mercedes Benz Store](#)

When contacting support, please have your vehicle's VIN (Vehicle Identification Number) and the bulb's part

number (400809-000007-64) readily available.

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