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› AmeriLite Crystal Headlights for Mercedes-Benz C Class W202 - Passenger and Driver Side User Manual

AmeriLite 02-AZ-MBZC94-C-4PIN

AmeriLite Crystal Headlights User Manual

Model: 02-AZ-MBZC94-C-4PIN

Brand: AmeriLite

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your AmeriLite Crystal Headlights. This product is designed as a direct OEM replacement for specific Mercedes-Benz C-Class models, offering enhanced clarity and performance.

Compatibility:

- 1994-2000 Mercedes-Benz W202 C-Class 4 Door Sedan
- Specifically for 4 PIN USA / CANADIAN VERSION All Models ONLY

Package Contents:

- 1 x Left (Driver Side) Headlight Assembly
- 1 x Right (Passenger Side) Headlight Assembly
- Low Beam H3 Bulb (pre-installed or included)
- High Beam H4 Bulb (pre-installed or included)
- 194 Clear Bulb for Running Light (pre-installed or included)



Figure 1: AmeriLite Crystal Headlights (Passenger and Driver Side)

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installation and use. Failure to follow these instructions may result in property damage, injury, or improper operation of the product.

- **Professional Installation Recommended:** Due to the complexity of automotive electrical systems and the importance of proper headlight alignment for road safety, professional installation by a qualified technician is highly recommended.
- **Disconnect Battery:** Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- **Handle with Care:** Headlight assemblies contain delicate components. Handle them carefully to avoid damage to the lens, housing, or internal wiring.
- **Bulb Safety:** When handling bulbs, avoid touching the glass with bare hands as oils can reduce bulb life. Use gloves or a clean cloth.
- **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. INSTALLATION GUIDE

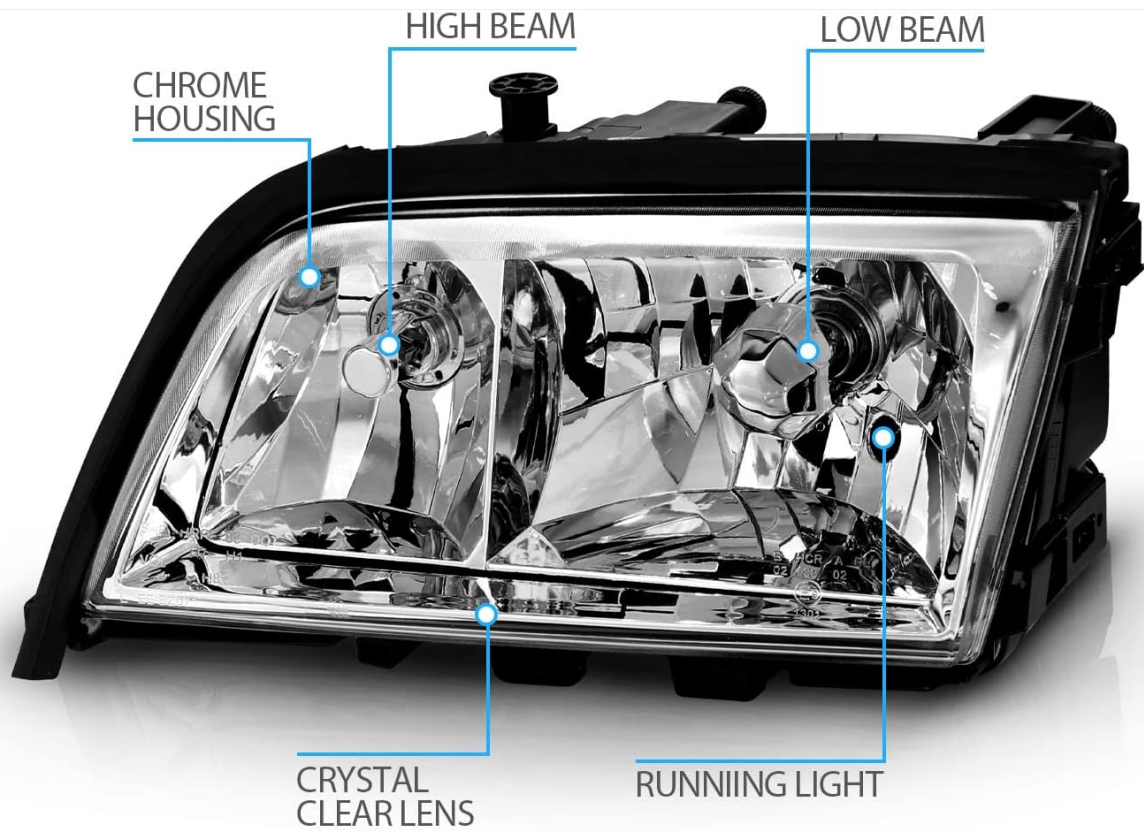
These headlights are designed for direct OEM replacement, meaning no modification to your vehicle is typically needed. However, professional installation is strongly advised to ensure correct fitment, wiring, and beam alignment.

Before Installation:

1. Ensure the vehicle is parked on a level surface with the engine off and the parking brake engaged.
2. Disconnect the negative terminal of the vehicle's battery.
3. Gather necessary tools (e.g., screwdrivers, wrenches, trim removal tools).

Installation Steps (General):

1. **Remove Old Headlights:** Carefully remove any retaining clips, screws, or bolts securing the existing headlight assembly. Disconnect all electrical connectors and carefully pull out the old headlight unit.
2. **Inspect New Headlights:** Before installing, inspect the new AmeriLite headlight assemblies for any visible damage.
3. **Connect Wiring:** Connect the main electrical connector from your vehicle's harness to the new headlight assembly. Ensure all connections are secure. The running light may require connecting separate power and ground wires if not integrated into the main connector.
4. **Position and Secure:** Carefully slide the new headlight assembly into its mounting position. Align the mounting posts and secure the unit using the original retaining clips, screws, or bolts.
5. **Test Functionality:** Reconnect the vehicle's battery. Turn on the vehicle's lights (parking lights, low beams, high beams) to ensure all functions are working correctly.
6. **Aim Headlights:** Proper headlight aiming is critical for safe driving and to avoid blinding oncoming traffic. This step should ideally be performed by a professional using specialized equipment.



INCLUDED



Low Beam
H3 Bulb



High Beam
H4 Bulb



Running Light
194 Clear Bulb

Figure 2: Included Bulb Types and Light Functions



Figure 3: Rear View with Connection Points

4. OPERATING INSTRUCTIONS

Once installed, the AmeriLite Crystal Headlights operate in conjunction with your vehicle's existing lighting controls. Refer to your vehicle's owner's manual for specific instructions on operating your vehicle's lighting system.

- **Low Beams:** Provide illumination for general driving conditions, designed not to blind oncoming traffic.
- **High Beams:** Offer maximum illumination for driving in dark areas without oncoming traffic. Use with caution.
- **Running Lights:** Provide daytime visibility for your vehicle.

5. MAINTENANCE

Regular maintenance will help ensure the longevity and optimal performance of your headlights.

- **Cleaning:** Clean the outer lens regularly with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners or harsh chemicals that could damage the polycarbonate lens material.
- **Inspection:** Periodically inspect the headlight assemblies for any signs of damage, cracks, or moisture intrusion. Although the product is waterproof, extreme conditions or impacts can compromise seals.
- **Bulb Replacement:** If a bulb burns out, replace it with the correct type (H3 for low beam, H4 for high beam, 194 for running light). Refer to your vehicle's manual or a professional for specific bulb replacement

procedures.

6. TROUBLESHOOTING

If you experience issues with your headlights, consider the following basic troubleshooting steps. For complex issues, professional assistance is recommended.

Problem	Possible Cause	Solution
Headlights not working	Blown fuse, faulty bulb, loose connection, wiring issue	Check vehicle's fuse box. Inspect and replace bulbs. Verify all electrical connections are secure. Consult a professional for wiring diagnostics.
Lights are dim or flickering	Weak electrical connection, failing bulb, vehicle's charging system issue	Check connections. Replace bulb. Have vehicle's electrical system inspected by a professional.
Moisture inside lens	Condensation (normal in some conditions), compromised seal	Small amounts of condensation usually dissipate. If persistent or excessive, inspect for cracks or damage to the seal. Contact support if defect is suspected.

7. SPECIFICATIONS

Feature	Detail
Brand	AmeriLite
Model Number	02-AZ-MBZC94-C-4PIN
Color	Amber (Lens)
Specific Uses For Product	Head Lights
Vehicle Service Type	Car (Mercedes-Benz W202 C-Class)
Year Compatibility	1994-2000
Special Feature	Waterproof
Auto Part Position	Front
Lens Material	Polycarbonate
Item Weight	17.62 pounds (approx. for pair)
Package Dimensions	19.56 x 11.21 x 10.5 inches (approx.)
Country of Origin	Taiwan
Safety Rating	DOT Compliant, Meets or Exceeds SAE Standards

8. WARRANTY AND SUPPORT

AmeriLite stands behind the quality of its products.

- **Warranty:** This product comes with a **90-Days Limited Warranty** against manufacturing defects.

- **Money Back Guarantee:** A **30-Days Money Back Guarantee** is also offered.

For warranty claims, technical support, or any inquiries regarding your AmeriLite Crystal Headlights, please contact AmeriLite directly through their official channels. You can often find contact information on the AmeriLite Store on Amazon or their official website.