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› CarLights360 Ford E-450 Super Duty Headlight Assembly (2003-2007) - Passenger Side Instruction Manual

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Model: E-450 Super Duty Headlight Assembly

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the CarLights360 Passenger Side Headlight Assembly, designed for Ford E-450 Super Duty vehicles manufactured between 2003 and 2007. This assembly is a direct replacement for OEM part number 6C2Z 13008 AA and Partslink number FO2503153, meeting or exceeding DOT & SAE compliance standards.

The assembly includes the lens, housing, and socket, and is designed for a precise fit.



Figure 1: Front view of the CarLights360 Ford E-450 Super Duty Passenger Side Headlight Assembly.

2. SETUP AND INSTALLATION

Proper installation is crucial for the functionality and safety of your vehicle's lighting system. It is recommended that installation be performed by a qualified technician.

2.1 Identifying the Correct Side

This product is specifically for the passenger side of the vehicle. In automotive terminology, the passenger side is also referred to as the Right Hand (RH) side when facing forward in the vehicle.



Figure 2: Vehicle side identification. Driver side is Left Hand (LH), Passenger side is Right Hand (RH).

2.2 Installation Steps

1. **Safety First:** Ensure the vehicle is parked on a level surface, the engine is off, and the parking brake is engaged. Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts.
2. **Access Old Headlight:** Depending on your vehicle's configuration, you may need to remove the grille, bumper, or fender liner to access the existing headlight assembly. Consult your vehicle's service manual for specific removal procedures.
3. **Disconnect Wiring:** Carefully disconnect the electrical connectors from the bulbs and the main harness connected to the old headlight assembly.
4. **Remove Old Headlight:** Unbolt or unclip the old headlight assembly from its mounting points. Keep track of all fasteners.
5. **Inspect New Headlight:** Before installation, visually inspect the new CarLights360 headlight assembly for any damage. Ensure all bulbs are securely seated in their sockets.
6. **Install New Headlight:** Position the new headlight assembly into the vehicle's opening. Secure it using the original fasteners. Ensure it is seated correctly and aligned.
7. **Connect Wiring:** Reconnect all electrical connectors to the new headlight assembly. Ensure connections are secure.
8. **Test Functionality:** Reconnect the vehicle's battery. Turn on the headlights (low beam, high beam), turn signals, and parking lights to verify proper operation.

9. **Aim Headlights:** After installation, it is crucial to properly aim the headlights to ensure optimal visibility and to avoid blinding oncoming traffic. Consult your vehicle's service manual or a professional for headlight aiming procedures.



Figure 3: Rear view of the headlight assembly, highlighting bulb sockets and mounting points for installation.

3. OPERATING INSTRUCTIONS

Once installed, the headlight assembly operates in conjunction with your vehicle's existing electrical system and controls. Refer to your Ford E-450 Super Duty owner's manual for specific instructions on operating your vehicle's lighting system, including low beams, high beams, and parking lights.

- **Low Beams:** Used for general driving, providing adequate illumination without excessive glare for other drivers.
- **High Beams:** Provide maximum illumination for driving in dark conditions where no oncoming traffic is present. Always dim your high beams when approaching or following other vehicles.
- **Parking Lights:** Used when parked or stopped in low visibility conditions to make your vehicle visible to others.

4. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your headlight assembly.

- **Cleaning:** Periodically clean the outer lens with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners or harsh chemicals that can damage the lens material (Polycarbonate or Acrylic).
- **Bulb Replacement:** If a bulb fails, replace it with a bulb of the correct type and wattage as specified in your vehicle's owner's manual. Refer to the installation steps for accessing the headlight assembly.
- **Inspection:** Regularly inspect the headlight assembly for cracks, moisture intrusion, or signs of wear. Ensure all electrical connections remain secure.

5. TROUBLESHOOTING

If you experience issues with your headlight assembly, consider the following common troubleshooting steps:

- **Headlight Not Working:**
 - Check the bulb: A burnt-out bulb is a common cause. Replace if necessary.
 - Check the fuse: Locate the vehicle's fuse box (refer to your owner's manual) and inspect the fuse for the headlights. Replace if blown.
 - Check electrical connections: Ensure all wiring harnesses are securely connected to the headlight assembly and bulbs.
- **Dim or Flickering Light:**
 - Inspect wiring for corrosion or loose connections.
 - Check the vehicle's charging system; a weak alternator or battery can affect light output.
- **Moisture Inside Lens:**
 - Small amounts of condensation can occur and usually dissipate. If significant moisture or water accumulation is present, inspect the seal around the lens and housing for damage.

6. SPECIFICATIONS

Feature	Detail
Brand	CarLights360
Vehicle Compatibility	Ford E-450 Super Duty (2003-2007)
Part Position	Passenger Side (Right)
OEM Part Number	6C2Z 13008 AA
Partslink Number	FO2503153
Compliance	Meets or exceeds DOT & SAE standards
Assembly Includes	Bulbs, Lens, Housing, Socket
Lens Color	Clear
Lens Material	Polycarbonate or Acrylic
Special Feature	Waterproof
Dimensions (L x W x H)	13.71 x 10.13 x 7.75 inches

7. WARRANTY INFORMATION

CarLights360 products are manufactured to high-quality standards. This headlight assembly comes with a

standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms, duration, and claim procedures, please refer to the warranty documentation included with your purchase or visit the official CarLights360 website.

Please retain your proof of purchase for warranty claims.

8. CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries, please contact CarLights360 customer support.

- **Online Support:** Visit the CarLights360 official website for FAQs and support resources.
- **Contact Form:** Utilize the contact form available on the CarLights360 website for direct inquiries.
- **Retailer Support:** If purchased through a retailer, you may also contact their customer service for initial support.

When contacting support, please have your product model number (E-450 Super Duty Headlight Assembly) and purchase details readily available.