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## WEELMOTO FDPU04B106

# Instruction Manual

### WEELMOTO LED Projector Headlights

Model: Ford F-150 (2004-2008) / Lincoln Mark LT (2006-2008)

## 1. Product Overview

Thank you for choosing WEELMOTO LED Projector Headlights. These headlights are designed to enhance your vehicle's lighting performance and aesthetic appeal. Featuring advanced LED technology and durable construction, they provide superior illumination and reliability for your driving needs.



Image: A pair of WEELMOTO LED Projector Headlights, showcasing their black housing, white LED bar, and sequential turn signal design.

## 2. Compatibility

These LED Projector Headlights are specifically designed for the following vehicle models:

- 2004-2008 Ford F-150
- 2006-2008 Lincoln Mark LT

**Important Compatibility Notes:**

- NOT Compatible with 2004 Ford F-150 Heritage models.
- NOT Compatible with Flareside Beds Models.




Image: A white Ford F-150 truck with the new WEELMOTO headlights installed, demonstrating the perfect fit and integrated design.

## 3. Product Features

These headlights incorporate advanced features for superior performance and safety:

- **Integrated LED Bar:** Features built-in LED chip strips for a modern aesthetic and enhanced daytime visibility.
- **Dynamic Lighting Modes:**
    1. Standard High/Low Beam (bulbs included)
    2. Parking Light with cool white LED Strips
    3. Bright Yellow Sequential Turn Signal
- **SAE & DOT Compliant:** Engineered to meet or exceed Society of Automotive Engineers (SAE) and Department of Transportation (DOT) standards for optical quality and safety.
- **High Durability:** Constructed with high-durability polycarbonate lens material and UV coating to resist heat, UV aging, and freezing.

- **Waterproof Design:** IP65 certified waterproof to withstand various weather conditions, including rain and dust.




Image: A visual representation of the multiple lighting functions, including the sequential turn signal animation.

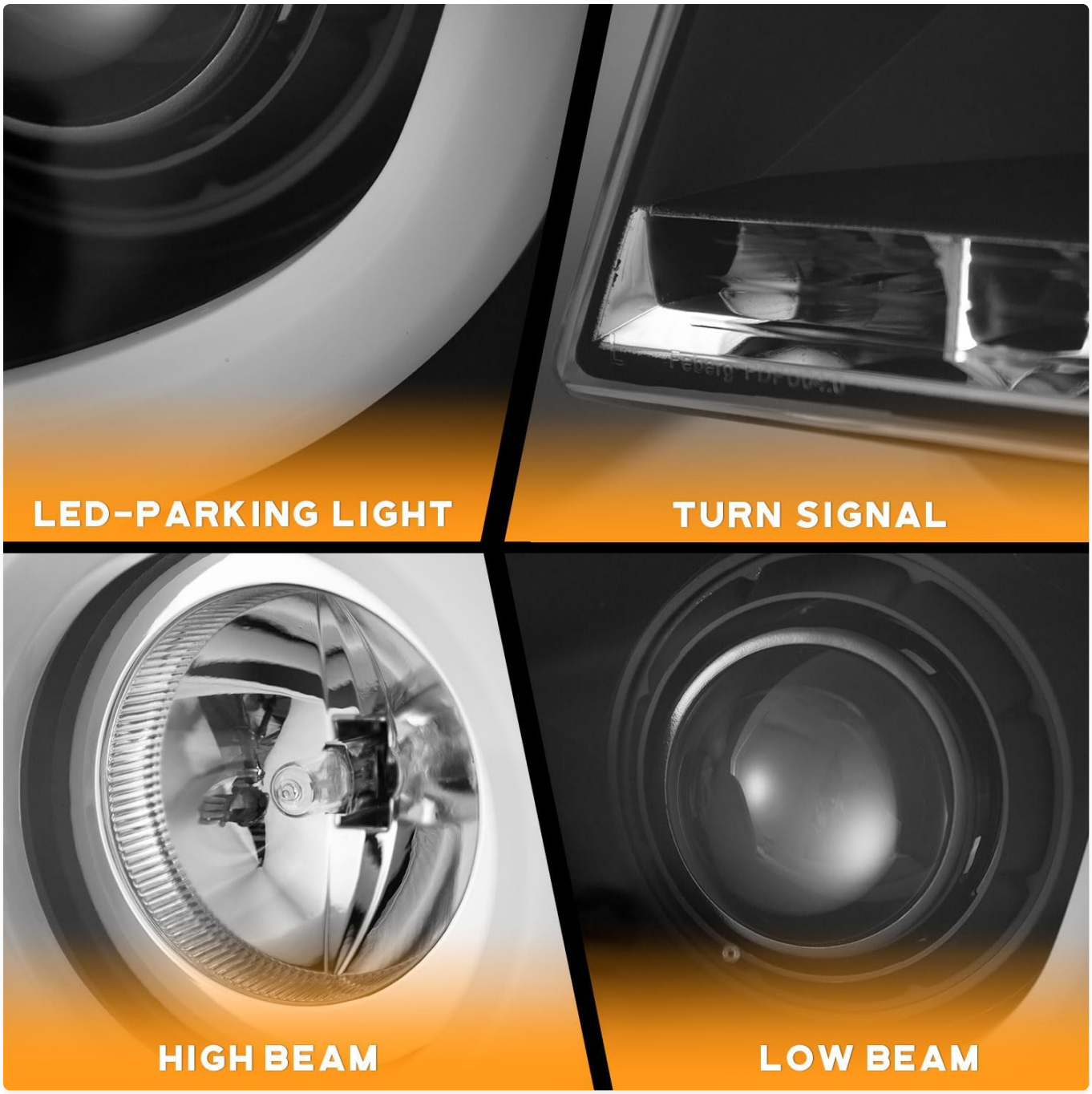



Image: Detailed close-ups highlighting the LED parking light, turn signal, high beam, and low beam sections of the headlight assembly.

## 4. What's Included

Your WEELMOTO LED Projector Headlight package includes:

- One (1) Driver Side Headlight Assembly
- One (1) Passenger Side Headlight Assembly
- High/Low Beam Halogen Bulbs (H13 & H1)
- Wiring Harness
- LED Strips (integrated)
- Detailed Installation Manual

## 5. Installation Guide

These headlights feature a plug-and-play design for effortless installation. While a detailed manual is included with your product, here are general steps:

1. **Preparation:** Ensure your vehicle is turned off and the battery is disconnected for safety. Gather necessary tools (e.g., screwdrivers, wrenches).
2. **Access Headlight Assembly:** Depending on your vehicle model, you may need to remove the grille or other components to access the existing headlight assembly.
3. **Disconnect Wiring:** Carefully disconnect the electrical connectors from your old headlight assembly.
4. **Remove Old Headlight:** Unbolt and remove the existing headlight assembly from your vehicle.
5. **Install New Headlight:** Position the new WEELMOTO headlight assembly into place and secure it with the original bolts.
6. **Connect Wiring:** Connect the wiring harness from the new headlight to your vehicle's electrical system. The plug-and-play design ensures a straightforward connection.
7. **Test Functionality:** Reconnect the battery and test all lighting functions (high beam, low beam, parking light, turn signals) before fully reassembling your vehicle.
8. **Adjust Beams:** Use the adjustable beams feature to vertically align the headlights for optimal visibility and to avoid blinding oncoming traffic.
9. **Final Assembly:** Reinstall any removed components (e.g., grille).




Image: The rear view of the headlight assembly, illustrating the main control wire, LED bar connector, one-way vent for condensation prevention, and adjustable beam mechanism.

For detailed, step-by-step instructions, please refer to the specific installation manual provided in your product packaging.

## 6. Operation

Your WEELMOTO LED Projector Headlights operate seamlessly with your vehicle's existing lighting controls. The three dynamic lighting modes are activated as follows:

- **Standard High/Low Beam:** Controlled by your vehicle's standard headlight switch.
- **Parking Light (Cool White LED Strips):** Activates with your vehicle's parking light function.
- **Bright Yellow Sequential Turn Signal:** Engages automatically when your vehicle's turn signal is activated, providing a distinct, flowing indication.

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Video: Demonstrates the various lighting functions of the WEELMOTO LED DRL Headlights, including the sequential turn signals and the brightness of the high and low beams.

## 7. Maintenance

To ensure the longevity and optimal performance of your WEELMOTO LED Projector Headlights, follow these simple maintenance guidelines:

- **Regular Cleaning:** Clean the lens surface regularly with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the polycarbonate material or UV coating.
- **Inspect for Damage:** Periodically inspect the headlight assemblies for any signs of physical damage, cracks, or loose connections.
- **Check Beam Alignment:** If you notice a change in light distribution, check and adjust the beam alignment as needed.
- **Avoid High-Pressure Washing:** While waterproof, direct high-pressure water jets at close range should be avoided on the seals to prevent potential water ingress over time.



Image: A Ford F-150 driving in the rain, illustrating the IP65 certified waterproof feature of the headlights, ensuring performance in wet conditions.

## 8. Troubleshooting

If you encounter any issues with your headlights, consider the following common troubleshooting steps:

- **Headlights Not Working:**
  - Check all electrical connections to ensure they are secure.
  - Verify that the vehicle's fuses related to the headlights are intact.
  - Ensure the bulbs are correctly seated in their sockets.
- **Moisture Inside Lens:**
  - Small amounts of condensation can occur due to temperature changes and typically dissipate. This is normal and does not indicate a defect.
  - Ensure the one-way vent (located on the back of the housing) is not obstructed.
  - If excessive moisture persists, ensure all seals are properly seated and the housing is not damaged. Contact customer support if the issue continues.
- **Uneven Light Pattern:**
  - Adjust the headlight beams using the vertical adjustment screws on the back of the housing. Refer to your vehicle's service manual for proper alignment procedures.

For issues not covered here, please refer to the Warranty and Support section for assistance.

## 9. Specifications

| Attribute | Detail |
|---|---|
| Brand | WEELMOTO |
| Model | Ford F-150 (Compatible with 2004-2008 F-150, 2006-2008 Lincoln Mark LT) |
| Color | Black Housing, LED Bar (White), Turn Signal Sequential |
| Specific Uses For Product | Head Lights |
| Wattage | 60 watts |
| Auto Part Position | Front Outside |
| Lens Color | Crystal Clear |
| Lens Material | Polycarbonate |
| Exterior Finish | UV Coating |
| Item Weight | 14.77 pounds |
| Package Dimensions | 21 x 18.5 x 12 inches |
| Manufacturer Part Number | FDPU04B106 |

## 10. Warranty and Support

WEELMOTO stands behind the quality of its products. Your LED Projector Headlights come with a **3-year peace-of-mind guarantee**.

For any questions, concerns, or issues after purchase, we offer a **1-to-1 service**. Please contact us directly for assistance:

- **Online Support:** Visit the WEELMOTO store on Amazon.com and click on "WEELMOTO" (the seller name), then select "ask a question" to avoid extra charges and receive direct support.
- **Brand Store:** WEELMOTO Official Store

Our dedicated team is ready to assist you with any product-related inquiries or support needs.

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