UNI-SHINE J003T

UNI-SHINE 7-inch Round LED Headlight Instruction Manual

Model: J003T
Brand: UNI-SHINE

1. Product Overview

The UNI-SHINE 7-inch Round LED Headlights are designed to provide enhanced visibility and safety for your vehicle. These headlights feature a durable construction, multiple light modes including Daytime Running Lights (DRL) and turn signals, and are DOT approved for legal road use. The advanced design incorporates efficient heat dissipation for extended lifespan.



Image: UNI-SHINE 7-inch LED Headlights providing bright illumination.

Key Features:

- **DOT Approved:** Ensures compliance with safety standards for road use.
- **Multi-Functionality:** Includes Low Beam, High Beam, Daytime Running Lights (DRL), and Turn Signal functions.
- **Enhanced Durability:** Constructed with a die-casting aluminum alloy housing for better heat dissipation and water resistance, extending lifespan to over 50,000 hours.
- **IP67 Waterproof Rating:** Designed to withstand various weather conditions including rain, snow, and fog.

- **A+ PC Lens:** Features an anti-scratch and anti-yellowing polycarbonate lens.
- **Breathing Hole:** Allows for moisture evaporation to prevent fogging inside the lens.



Image: Detailed view of headlight components including PC lens, aluminum alloy, DOT approval, premium chip, and breathing hole.

2. Package Contents

Verify that all items listed below are included in your package:

- 2 x 7-inch LED Headlights
- 2 x H4-H13 Adapters
- 2 x Wiring Extend Cords
- 1 x Installation Instruction Manual

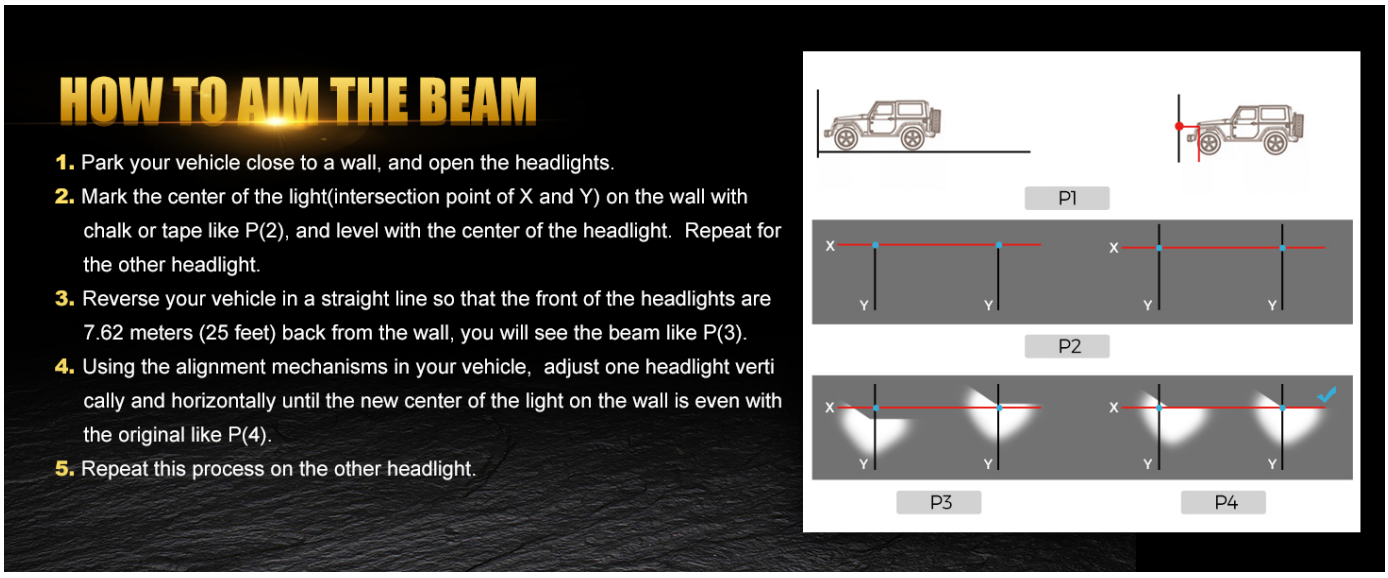


Image: The complete package contents, including two headlights, adapters, and extension cords.

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Video: An unboxing and overview of the UNI-SHINE 7-inch LED Headlight package contents.

3. Specifications

Feature	Specification
Brand	UNI-SHINE
Model Number	J003T
Light Source Type	LED
Wattage	50 watts
Voltage	12 volts
Special Features	High Beam, Waterproof
Auto Part Position	Front
Lens Material	Polymethylacrylate
Lens Color	Clear
Item Weight	2 pounds (per pair)
Number of Items	2 (Pair)



Image: Headlight dimensions (177mm / 6.97inch diameter, 80mm / 3.15inch depth) and brightness comparison.

4. Compatibility

These 7-inch LED headlights are compatible with a wide range of vehicles that use 7-inch round headlights. Please verify your vehicle's headlight bucket size before purchase.

Known Compatible Vehicles:

- **Jeep Wrangler:** JK 2/4 Door (2007-2018), TJ (1997-2006), CJ-7 (1976-1986), TJ Unlimited/LJ (2003-2006), CJ-8 Scrambler (1981-1985). *Note: JL models (2018-2019) may require an additional bracket.*
- **Mazda Miata:** (1990-1997)
- **Chevy/Chevrolet:** S3, C10 C20 C30 (1962-1980), El Camino (1971-1975), Camaro (1967-1981), Chevelle (1971-1973), Chevette (1976-1978), Nova (1963-1978), Blazer (1969-1974), Lux (1980-1982), Monte Carlo (1970-1975), Monza (1975-1980), Laguna (1973-1975), Malibu (1973-1975).

- **Ford:** Bronco (1966-1977), Mustang (1965-1973), F-100 F-150 F-250 F-350 (1975-1979).
- **Hummer:** H1 (1992-2001), H2 (2003-2009).*Note: Hummer H2 may require a 9007 male to H4 female adapter (not included).*
- **Land Rover:** Defender 90 and 110.



Image: Examples of compatible Jeep vehicles.



Image: Examples of compatible Chevrolet vehicles.



Image: Examples of compatible Mazda Miata and Ford vehicles.

5. Pre-Installation Notes

- For most vehicles, these 7-inch LED headlights are a direct plug-and-play replacement.
- Some vehicle models may require minor modification, such as grinding one or two mounting slots on the passenger side headlight bucket, to ensure proper fitment. This modification is generally straightforward.
- Always check your vehicle's headlight bucket size and mounting requirements before beginning installation.
- Disconnect the vehicle's battery before starting any electrical work.



Image: Important considerations before installation, including potential modifications.

6. Installation Instructions

Follow these steps for proper installation of your UNI-SHINE 7-inch LED Headlights. Refer to the provided videos for visual guidance.

1. **Remove Front Grill:** Loosen the head screws and carefully remove any fasteners holding the front grill. Pull the top portion of the grill until it unclips.
2. **Remove Retaining Ring and Original Headlight:** Remove the retaining ring that secures the original headlight in the mounting ring. Carefully extract the old headlight.
3. **Unplug Existing Headlight:** Disconnect the factory harness from the original headlight. *Note: On newer models, there may be a red button on the plug that must be pushed up, and a green button that must be pressed and held to unplug the existing lamp.*
4. **Install New LED Headlight:** Plug in the new LED headlight and install it into the mounting ring.
5. **Re-attach Retaining Ring:** Align all 4 tabs on the retaining ring with the screw holes and re-attach it. The ring will only fit in one orientation.
6. **Test Function and Re-attach Grill:** Attach the ground to the battery and test the lamp functions (low beam, high beam, DRL, turn signal). Once confirmed, re-attach the front grill by carefully pressing it on until the clips lock back into place.



Image: Visual steps for headlight installation.

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Video: Detailed guide on how to install the UNI-SHINE 7-inch LED Headlights.

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Video: Another perspective on the 7-inch LED headlight installation process.

7. Wiring Instructions

The headlights come with H4-H13 adapters for most vehicles. For DRL and turn signal functions, additional wiring is required.

- **Main Headlight Connection:** Use the provided H4-H13 adapter to connect the main headlight plug to your vehicle's factory harness.
- **DRL (Daytime Running Light):** Connect the DRL wire (typically white) to an ACC (Accessory) power source that turns on with the ignition.
- **Turn Signal:** Connect the turn signal wire (typically yellow/amber) to your vehicle's existing turn signal wiring.

Note: A small number of vehicles may require additional adapter cables or a CANBUS decoder to prevent flickering or error codes. These are not included and may need to be purchased separately if issues arise.



Image: Visual representation of wiring connections for different light modes.

8. Beam Adjustment

Proper beam alignment is crucial for optimal visibility and to avoid blinding oncoming drivers. Follow these steps to adjust your headlight beams:

1. **Position Vehicle:** Park your vehicle on a level surface, approximately 7.62 meters (25 feet) from a wall. Ensure the vehicle is facing the wall directly.
2. **Mark Center:** Open the headlights. Mark the center of the light beam (intersection point of X and Y) on the wall with chalk or tape. This mark represents P(2). Level this mark with the center of your headlight. Repeat for the other headlight.
3. **Observe Beam Pattern:** Reverse your vehicle in a straight line so that the front of the headlights are 7.62 meters (25 feet) back from the wall. You will observe the beam pattern, which should resemble P(3) in the diagram.
4. **Adjust Headlight:** Using the alignment mechanisms in your vehicle (typically screws or adjusters near the

headlight), adjust one headlight vertically and horizontally until the new center of the light on the wall is even with the original P(4) mark.

5. **Repeat:** Repeat this process for the other headlight.



Image: Guide for proper headlight beam aiming.

9. Operating Modes

Your UNI-SHINE LED Headlights offer four distinct operating modes:

- **Low Beam:** Provides standard illumination for general driving conditions, designed to illuminate the road ahead without causing glare to oncoming traffic.
- **High Beam:** Offers maximum illumination for driving in dark areas where additional light is needed. Use responsibly and dim for oncoming vehicles.
- **DRL (Daytime Running Light):** A bright white halo or accent light that operates during the day to increase vehicle visibility to others.
- **Turn Signal:** An amber light that flashes to indicate a turn or lane change. This function is integrated into the headlight's halo.



Image: Visual representation of the four distinct light modes.

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Video: Demonstration of the 7-inch LED headlights' various light functions, including DRL and turn signals.

10. Maintenance

To ensure the longevity and optimal performance of your UNI-SHINE LED Headlights, follow these simple maintenance

guidelines:

- **Cleaning:** Regularly clean the headlight lenses with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the lens material.
- **Connection Check:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.
- **Breathing Hole:** The headlights are equipped with a breathing hole to allow moisture to evaporate. If you notice condensation inside the lens, ensure the breathing hole is clear and unobstructed.
- **Environmental Protection:** While IP67 waterproof, prolonged exposure to extreme conditions or high-pressure washing directly on the headlights should be avoided.



Image: Headlights performing in rain, muddy conditions, fog, and snow, highlighting their all-weather design.

11. Troubleshooting

If you encounter issues with your UNI-SHINE LED Headlights, refer to the following common problems and solutions:

- **Headlights Not Turning On:**
  - Check all wiring connections for proper seating and continuity.
  - Verify that the vehicle's fuses related to the headlights are intact.
  - Ensure the H4-H13 adapter is correctly installed.
- **Flickering or Error Codes (CANBUS Issues):**
  - Some modern vehicles with CANBUS systems may require an additional CANBUS decoder to prevent flickering or dashboard error messages. This is not included with the headlights.
  - If flickering occurs, consider installing a compatible CANBUS decoder.
- **Condensation Inside Lens:**
  - This can occur due to temperature changes. Ensure the breathing hole on the back of the headlight is clear and unobstructed to allow moisture to evaporate.
  - If condensation persists, contact customer support.
- **Low Beam Cuts Out After Extended Use:**
  - This could indicate an overheating issue. Ensure proper airflow around the headlight and that the heat sinks are not obstructed.
  - Verify the electrical system is providing stable voltage.
  - If the problem continues, contact customer support as this may indicate a defect.

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

12. Warranty and Support

UNI-SHINE stands by the quality of its products. We offer a comprehensive replacement promise for common issues:

- **Fogging or Light Beam Failure:** If your headlights experience fogging or the light beam goes out, you are eligible for a new replacement.
- **Fitment Issues:** If the headlights do not fit your vehicle as expected, you may return them.
- **Defective Lights:** Defective units will be replaced with new ones.
- **Missing Accessories:** If any accessories are missing from your package, we will re-send them.

To claim warranty support or for any technical assistance, please locate your order details and contact the seller directly. Our customer service team is available to help resolve any issues you may encounter.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question