EinParts DUOLIGHT DL15

EinParts DuoLight LED DRL & Fog Lights Instruction Manual

Model: DUOLIGHT DL15

Introduction

Thank you for choosing the EinParts DuoLight LED DRL (Daytime Running Lights) and Fog Lights. This product combines two essential automotive lighting functions into a single unit, providing enhanced visibility and safety. This manual provides important information for the correct installation, operation, and maintenance of your new lights. Please read it thoroughly before installation and keep it for future reference.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- Ensure all connections are secure and properly insulated to prevent moisture ingress and electrical faults.
- Do not look directly into the LED light source when it is active, as it may cause eye strain or damage.
- Installation should ideally be performed by a qualified automotive technician.
- Verify that the installed lights comply with local regulations and traffic laws.

Package Contents

Please check the package for the following items:

- LED Lamps: 2 pieces
- Mounting Brackets
- Quick Connectors, Clamps
- Three types of halogen connection sockets: H8, H11, 9005/9006
- Automatic Light Switch (external)
- Written Declaration (Certificate) of Conformity to Approval

- Wiring Harness (required, may be sold separately or included depending on kit version)



Figure 1: Overview of the EinParts DuoLight LED DRL and Fog Light kit, showing two light units, control modules, wiring, and various connectors.

Setup and Installation

The EinParts DuoLight is designed for universal fitment and is compatible with the original mounting brackets of the following vehicles:

- Chrysler 300C (2004-2010)
- Chrysler PT Cruiser (2006-2010)
- DODGE Magnum (2005-2008)
- DODGE Journey (2008-2010)
- JEEP Wrangler JK (2006-2011)

Installation Steps:

1. **Preparation:** Ensure the vehicle is turned off and the battery is disconnected. Access the existing fog light or DRL housing.
2. **Mounting the Lights:** The lamps are equipped with brackets that match the original car mounts. Securely attach the DuoLight units into the designated positions.



Figure 2: Front view of the EinParts DuoLight unit, showing the clear lens and integrated LED light source.

3. **Wiring Connections:**
    - Identify the appropriate halogen connection socket (H8, H11, or 9005/9006) for your vehicle and connect it to the DuoLight wiring harness.
    - Connect the main wiring harness to the vehicle's electrical system. This typically involves connecting to the battery (for power), ground, and a signal wire (e.g., ignition or headlight signal for DRL activation).
    - Connect the automatic light switch module as per the wiring diagram provided with the product. This module manages the DRL and fog light functions.



Figure 3: Close-up view of an electrical connector for the EinParts DuoLight, showing the pin configuration.

4. **Secure Wiring:** Use the provided clamps and quick connectors to secure all wiring, ensuring it is away from moving parts and heat sources.
5. **Testing:** Reconnect the vehicle's battery. Turn on the ignition and test the DRL and fog light functions.
6. **Beam Angle Adjustment:** The fog light function allows for beam angle adjustment. Refer to your vehicle's service manual or consult a professional for proper alignment.



Figure 4: Rear view of the EinParts DuoLight unit, showing the heat sink design and wiring entry point.

Operating Instructions

The EinParts DuoLight system operates automatically once properly installed.

- **Daytime Running Lights (DRL):** The DRL function will activate automatically when the vehicle's ignition is on, providing a bright 6000K white light for increased daytime visibility.
- **Fog Lights:** The fog light function can be activated via your vehicle's standard fog light switch. When activated, the lights will provide an 800 lumens output per lamp, also in 6000K white, to cut through fog and improve visibility in adverse weather conditions.
- **Automatic Switching:** The external automatic light switch module manages the transition between DRL and fog light modes, and may dim or turn off DRLs when headlights are activated, depending on wiring configuration.

Maintenance

The EinParts DuoLight LED DRL and Fog Lights are designed for durability and require minimal maintenance.

- **Cleaning:** Periodically clean the lenses with a soft cloth and mild soap solution to remove dirt and debris. Avoid abrasive cleaners or harsh chemicals that could damage the lens.
- **Inspection:** Regularly inspect the lights for any signs of damage, loose connections, or corrosion. Ensure the mounting remains secure.
- **No User-Serviceable Parts:** The LED units are sealed and do not contain user-serviceable parts. Do not attempt to open or modify the light units.

Troubleshooting

If you experience issues with your EinParts DuoLight system, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**
  - Check all electrical connections for looseness or corrosion.
  - Verify that the vehicle's battery has sufficient charge and that fuses are intact.
  - Ensure the automatic light switch module is correctly wired and functioning.
- **One Light Not Working:**
  - Inspect the wiring and connectors specific to the non-functioning light.
  - Check for any physical damage to the light unit.
- **Dim or Flickering Lights:**
  - Ensure stable voltage supply to the lights.
  - Check for poor ground connections.

If problems persist after performing these checks, contact customer support or a qualified technician.

Specifications

Feature	Specification
Daytime Running Light (DRL) Luminous Flux	Up to 900 lumens per lamp
Fog Light Luminous Flux	Up to 800 lumens per lamp
Operating Voltage	12 V (9 V - 32 V range)
DRL Power Consumption	9.5 W per lamp
Fog Light Power Consumption	10 W per lamp
Light Color Temperature	6000 K (Cool White)
LED Type	Cree
Operating Temperature	From -40 °C to +50 °C
Hermetic Casing / Moisture Resistance	Yes
DRL Approval	ECE R87 (E4, RL00 stamped on each lamp)
Fog Light Approval	ECE R19 (PL F3 stamped on each lamp)
Beam Angle Adjustment	Yes (for fog light)
Air Vent	Yes
Model Number	DUOLIGHT DL15

Warranty and Support

EinParts products are manufactured to high-quality standards. For warranty information, please refer to the specific terms provided at the point of purchase or contact your retailer. The product includes a written declaration (certificate) of conformity to approval, ensuring it meets regulatory standards.
For technical support or inquiries, please contact your authorized EinParts dealer or the customer service department of

your retailer.

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.

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

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