

Auxbeam ZD000848-AB

Auxbeam LED Light Bar Wiring Harness Instruction Manual

Model: ZD000848-AB

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Auxbeam LED Light Bar Wiring Harness. Please read this manual thoroughly before installation and use to ensure proper function and safety. The wiring harness is designed for three-wire Main Light + DRL (Daytime Running Light) mode LED pod lights and includes a 6-in-1 3PIN DT Plug, a 40A fuse, and a relay for vehicle electrical system protection.

SAFETY PRECAUTIONS

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not exceed the maximum load power of 480W (40A at 12V) for the main lights and 72W (6A at 12V) for DRLs. Exceeding these limits can damage the harness and connected devices.
- Professional installation is recommended for optimal safety and performance.
- Verify local regulations regarding auxiliary lighting installation and use.

PACKAGE CONTENTS

The Auxbeam LED Light Bar Wiring Harness package includes:

- 1x Auxbeam 6-Lead Wiring Harness Kit (Main wire: 3 meters 10AWG; DRL wire: 18AWG)
- 1x 3PIN DT-adaptor plug (total length 1.5 meters)
- 1x 40A Blade Fuse (built-in)
- 1x Relay
- 1x 3-Mode Switch (Main Light / DRL / Combo Mode)



Image: Overview of the Auxbeam LED Light Bar Wiring Harness Kit, including the main harness, DT plugs, and control switch.



Image: The Auxbeam Off-Road 6 LED Pod Light Wiring Harness shown with connected pod lights on a vehicle roof.

SETUP AND INSTALLATION

The Auxbeam wiring harness is designed for straightforward installation, often referred to as "plug and play." It is suitable for connecting up to six LED pod lights with 3-wire Main Light + DRL functionality. The harness can be routed for roof or bumper mounting applications.

Components Overview



Image: Detailed view of the heavy-duty wire harness kit, highlighting the 3-Pin DT Connector, 40A Blade Fuse, Three Modes Switch, 40A

Relay, 5ft Extension Harness, and Battery Connector.

- **Battery Connector:** Connects directly to the vehicle's battery terminals.
- **40A Blade Fuse:** Provides overcurrent and short-circuit protection.
- **40A Relay:** Manages power distribution to the lights.
- **Three Modes Switch:** Controls the light modes (Main Light, DRL, Combo).
- **3-Pin DT Connectors:** For connecting to compatible LED pod lights.
- **Extension Harness:** Provides additional length for flexible mounting.



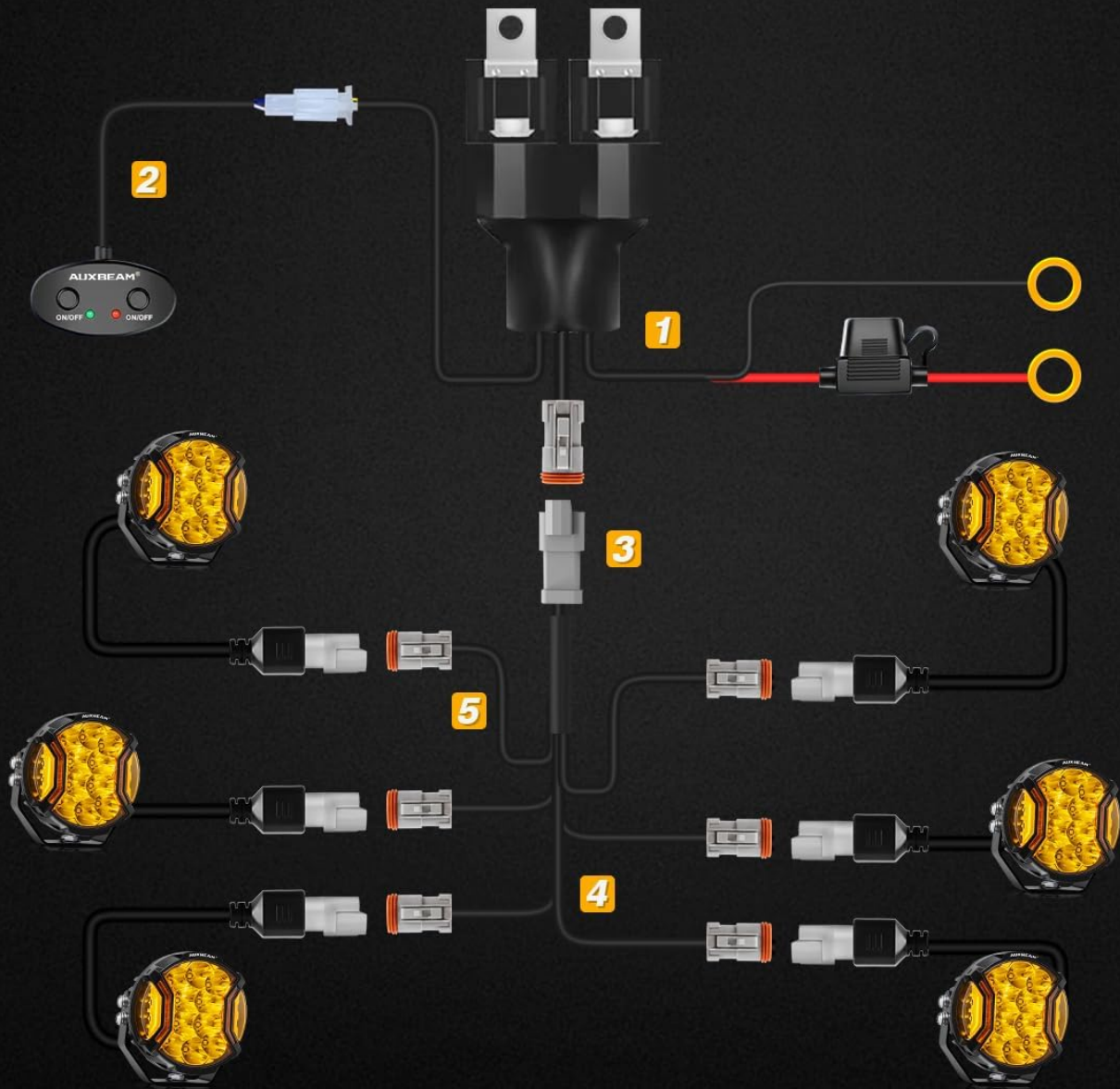
Image: Close-up view of the JD1912 12V 40A relays included in the harness.



Image: Detailed view of the six 3-Pin DT connectors for connecting to LED pod lights.

Wiring Diagram

ADJUSTABLE MULTI- POSITION WIRING KIT



- 1** Extended power to light bar: 11.3ft
- 2** Extended power to switch: 11.3ft
- 3** Extended wire length: 4.9ft
- 4** Install pod max distance: 0.49ft
- 5** DT plug adapter length: 0.32ft

Image: Wiring diagram illustrating the connections for the Auxbeam harness. Key lengths include extended power to light bar (11.3ft), extended power to switch (11.3ft), extended wire length (4.9ft), maximum installation distance for pods (0.49ft), and DT plug adapter length (0.32ft).

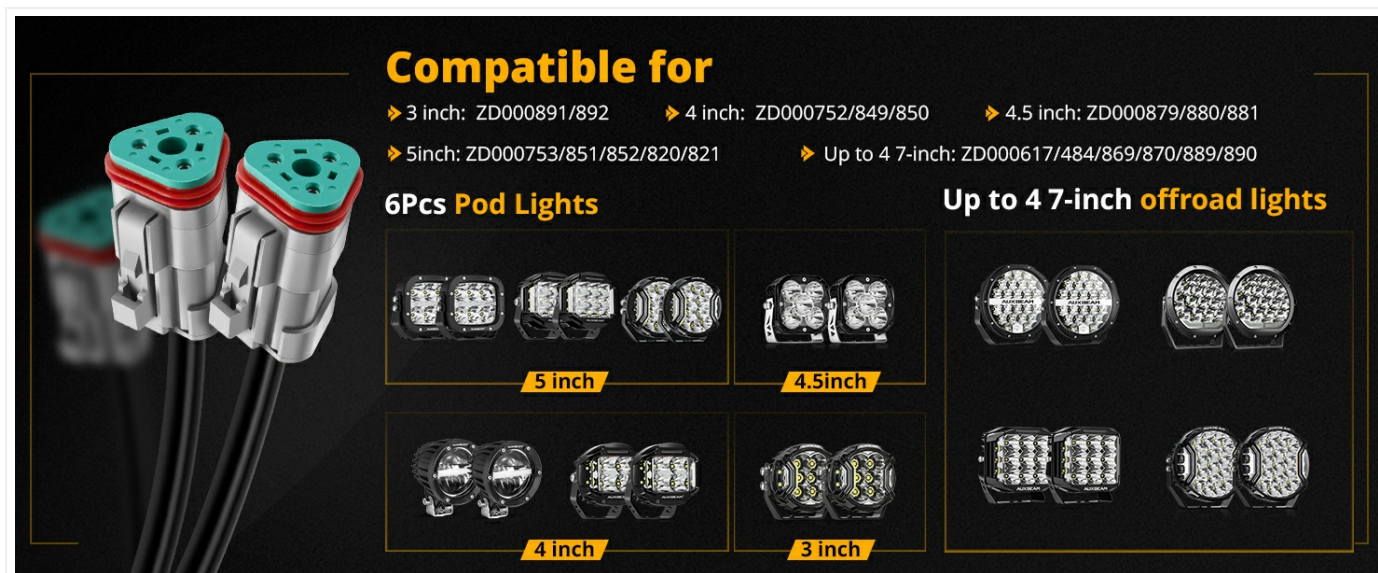


Image: Simplified wiring diagram showing the connection points for the battery, fuse, relay, switch, and six pod lights. This diagram emphasizes ease of control.

Installation Steps

1. **Prepare the Vehicle:** Ensure the vehicle is turned off and the battery is disconnected.
2. **Mount Lights:** Install your LED pod lights in the desired location (e.g., roof, bumper).
3. **Connect to Battery:** Connect the main power wires of the harness (with the fuse holder) directly to the positive and negative terminals of your vehicle's 12V battery.
4. **Route Wiring:** Carefully route the main harness and individual light leads to the light mounting locations. The harness offers up to 14.7ft of length for flexible routing.
5. **Connect Lights:** Plug the 3-Pin DT connectors from the harness into the corresponding connectors on your LED pod lights. Ensure a secure and waterproof connection.
6. **Install Switch:** Mount the 3-mode control switch in a convenient location within the vehicle's cabin. Route the switch wiring to the main harness.
7. **Final Checks:** Double-check all connections for security and proper insulation. Reconnect the vehicle battery.

EASY PLUG & PLAY INSTALLATION



Image: Illustration of the plug-and-play connectors and the overall harness, emphasizing the ease of connection for the LED pod lights.

WIRING HARNESS UP TO 14.7FT

14.7ft harness length



Image: Visual representation of the wiring harness length, indicating it extends up to 14.7 feet for versatile installation.

EXTENDED WIRE FOR ADJUSTABLE MOUNTING



OFFROAD



SUV



JEEP



ATV



UTV

Image: Example of the extended wire allowing for adjustable mounting of lights on various vehicles like off-road vehicles, SUVs, Jeeps, ATVs, and UTVs.

OPERATING INSTRUCTIONS

The Auxbeam wiring harness features a 3-mode switch to control your connected LED pod lights. The switch allows you to cycle through different lighting modes:

- **Main Light Mode:** Activates the primary LED lights.
- **DRL Mode:** Activates the Daytime Running Lights function of compatible LED pods.
- **Combo Mode:** Activates both Main Light and DRL functions simultaneously.

Press the ON/OFF button on the switch to turn the lights on or off. Use the mode button to cycle through the available lighting modes.



Image: Close-up of the Auxbeam 3-mode control switch with ON/OFF buttons.

MAINTENANCE

The Auxbeam LED Light Bar Wiring Harness is designed for durability and requires minimal maintenance. To ensure long-term performance:

- Periodically inspect all wiring and connections for signs of wear, corrosion, or damage.
- Ensure all DT connectors are securely seated and free from moisture or debris.
- Check the 40A blade fuse for integrity. Replace only with a fuse of the same rating if necessary.
- Keep the harness free from excessive dirt and grime. Clean with a damp cloth if needed.



Image: Close-up of the waterproof fuse holder, designed to protect the electrical system.

TROUBLESHOOTING

If your LED lights are not functioning correctly, consider the following troubleshooting steps:

- **No Power to Lights:**
 - Check battery connections: Ensure the harness is securely connected to the vehicle's 12V battery terminals.
 - Inspect the fuse: Verify the 40A blade fuse is intact. Replace if blown.
 - Check relay: Ensure the relay is properly seated and functioning.
 - Verify switch connection: Confirm the control switch is correctly wired to the harness.

• **Lights Flicker or Dim:**

- Check for loose connections: Ensure all DT plugs and battery terminals are tight.
- Inspect wiring for damage: Look for frayed or pinched wires.
- Verify power draw: Ensure the total wattage of connected lights does not exceed the harness's maximum capacity of 480W (main light) or 72W (DRL). Overloading can cause dimming or flickering.

• **Only Main Lights or DRLs Work:**

- Check switch mode: Ensure the 3-mode switch is set to the desired mode (Main Light, DRL, or Combo).
- Verify light compatibility: Confirm your LED pod lights support 3-wire Main Light + DRL functionality.

SPECIFICATIONS

Feature	Detail
Model Number	ZD000848-AB
Maximum Connectable Lights	6 Pods
Switch Type	3 Mode Switch (Main Light / DRL / Combo Mode)
Wire Configuration	3-wire Main Light + DRL mode
Main Wire Gauge	10AWG (5mm²)
DRL Wire Gauge	18AWG (0.75 mm²)
Conductor Material	Pure Copper Core (High Temperature Resistant)
Connector Type	3-Pin DT Connector (IP67 Waterproof Design)
Voltage Rating	12V DC
Max Load Power (Main Light)	480W (40A at 12V)
Max Load Power (DRL)	72W (6A at 12V)
Fuse Protection	40A Blade Fuse Included
Main Wire Length	3 meters (approx. 9.8 feet)
DT-adaptor Plug Length	1.5 meters (approx. 4.9 feet)
Total Harness Length	Up to 14.7 feet (including extensions)
Item Weight	2.44 pounds (1.11 Kilograms)
Product Dimensions	8.4"L x 6.6"W x 8.4"H

Feature	Detail
Special Features	Waterproof connectors, energy efficient, long lifespan, low heat generation (referring to compatible lights)

SPECIFICATION GUIDE



Off-Road 6-LED Pod Light Wiring Harness Kit (3 Modes)

Maximum Connectable Lights	6 Pods (Max)
Switch Type	3 Mode Switch (Main Light / DRL / Combo Mode)
Wire Configuration	9.8ft Extension Cord + 5ft Connect Cord
Connector Type	3-Pin DT Connector (IP67 Waterproof Design)
Wire Gauge	10AWG (5.26mm²) Heavy-Duty Wiring
Conductor Material	Pure Copper Core (High Temperature Resistant)
Voltage Rating	12V DC
Power Handling	Up to 384W @ 12V
Fuse Protection	40A Blade Fuse Included

Recommend Fit for LED Pods

6Pcs Pod Lights: (5 inch) ZD000753/851/852/820/821 (4.5 inch) ZD000879/880/881 (4 inch) ZD000752/849/850 (3 inch) ZD000891/892	4Pcs Pod Lights: (7 inch) ZD000617/483/484/696 /697/869/870/889/890
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Image: A visual specification guide detailing the harness features, including maximum connectable lights, switch type, wire configuration, connector type, wire gauge, conductor material, voltage rating, power handling, and fuse protection.

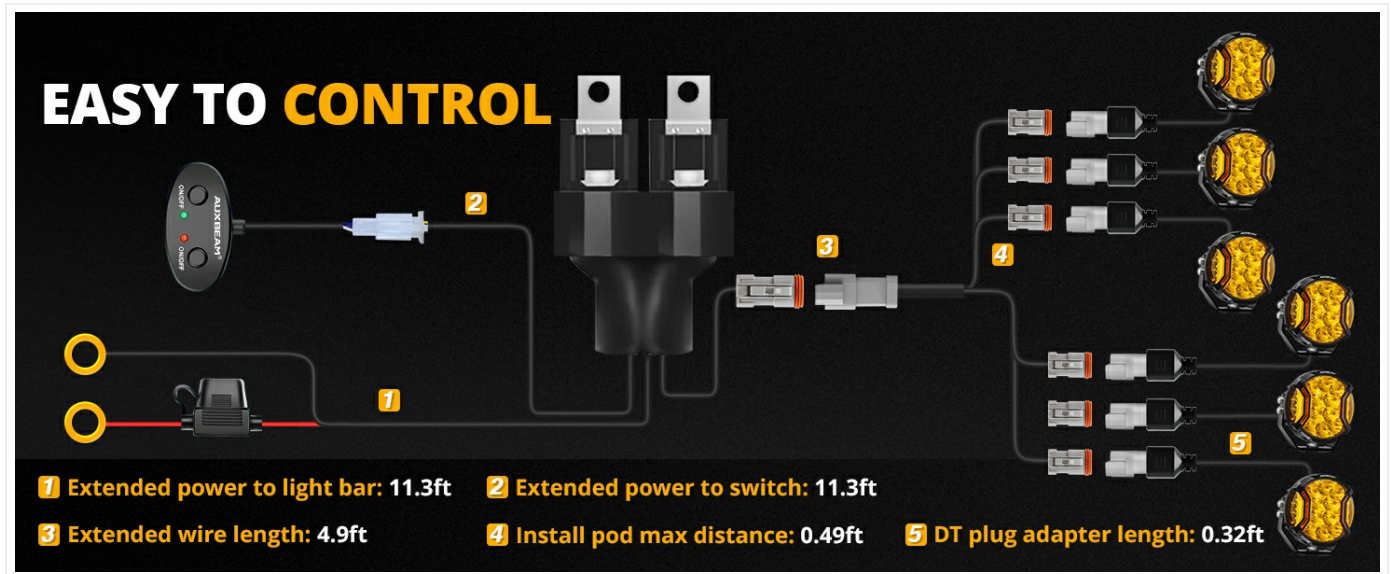


Image: Examples of compatible LED pod lights, including 3-inch, 4-inch, 4.5-inch, and 5-inch models, as well as up to 4-7 inch off-road lights.

WARRANTY INFORMATION

Specific warranty details for the Auxbeam LED Light Bar Wiring Harness are not provided in this manual. For information regarding product warranty, please refer to the documentation included with your purchase or contact Auxbeam customer support directly.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your Auxbeam LED Light Bar Wiring Harness, please contact Auxbeam customer support. You can typically find contact information on the manufacturer's official website or through the retailer where the product was purchased.

For additional resources, you may visit the [Auxbeam Store on Amazon](#).

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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

Anonymous

Email

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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