

BICYACO BIX-0916 FOG LIGHT

BICYACO LED Fog Light Instruction Manual

Model: BIX-0916 FOG LIGHT

Compatible with Dodge Ram 1500 (2009-2012) and Ram 2500/3500 (2010-2018)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your new BICYACO LED Fog Lights. Please read this manual thoroughly before installation and use to ensure proper function and safety. These LED fog lights are designed to enhance visibility and safety during various driving conditions.

2. PRODUCT FEATURES

- **Advanced LED Design:** Equipped with 100% advanced LED chips for bright, white light output, improving visibility.
- **Extended Lifespan:** Designed to last over 50,000 hours, offering long-term reliability.
- **Enhanced Visibility:** Provides a wider field of light dispersion and higher color temperature compared to standard halogen lamps, without dark spots or shadowed areas.
- **Durable Construction:** Features an aluminum alloy heat sink for efficient heat dissipation, extending LED chip life.
- **Weather Resistance:** IP67 waterproof and dustproof rating ensures reliable performance in adverse weather conditions such as fog, rain, or overcast skies.
- **DOT/SAE Certified:** Meets Department of Transportation (DOT) and Society of Automotive Engineers (SAE) standards for safety and quality.
- **Adjustable Beam Angle:** Includes an adjuster for precise beam alignment.
- **Power Output:** 72 watts.
- **Lens Material:** Polycarbonate for durability and clear light transmission.

Fog Light Beam Angle Adjuster



Aluminium alloy heat sink



Thicker cooling fin than others,
efficiently dissipate heat
heat from led chips,
extend the life of
led fog light.

Image: Fog light components including the beam angle adjuster and aluminum alloy heat sink for efficient cooling.

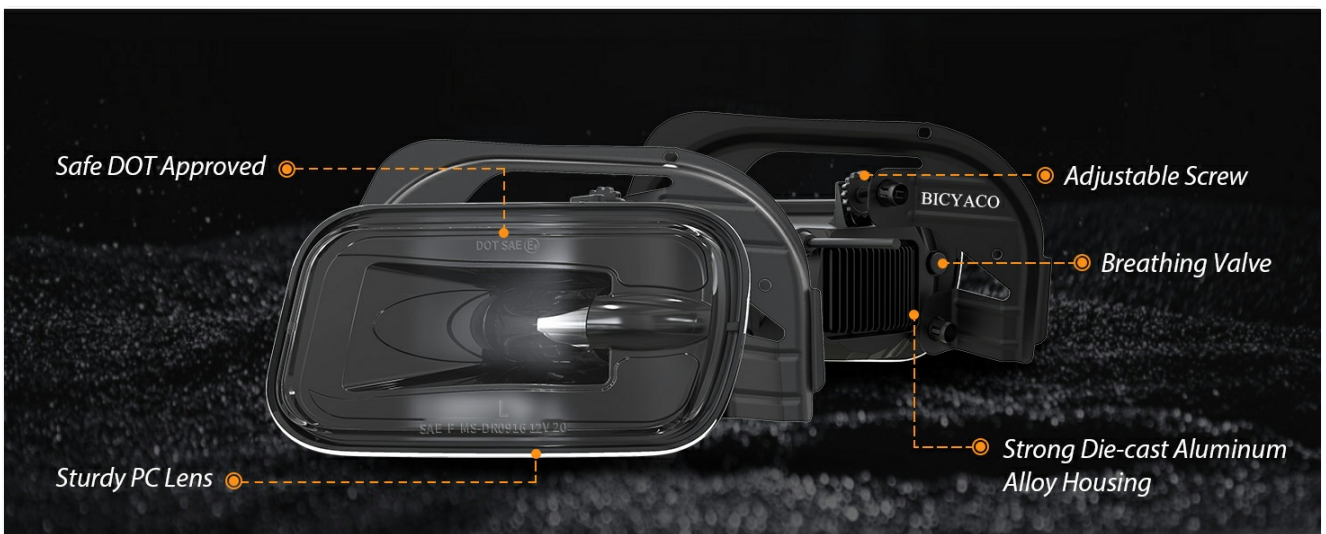


Image: Exploded view highlighting key components such as the sturdy PC lens, adjustable screw, breathing valve, and strong die-cast aluminum alloy housing.

3. COMPATIBILITY

These BICYACO LED Fog Lights are compatible with the following vehicle models:

- 2009-2012 Dodge RAM 1500
- 2010-2018 Dodge RAM 2500
- 2010-2018 Dodge RAM 3500 (including Power, SLT, ST, Laramie, TRX4, Sport trims)

These lights are designed as a direct replacement for OEM Part Numbers: 55372734AB, 55372735AB, 55372734AA, 55372735AA, CH2594102, CH2595102.



Image: Visual representation of vehicle compatibility for the fog lights.

4. PACKAGE CONTENTS

The package includes:

- One (1) Pair of BICYACO LED Fog Lights

5. SAFETY INFORMATION

Always prioritize safety during installation and operation. Ensure the vehicle is turned off and the battery is disconnected before beginning any electrical work. If you are unsure about any step, consult a qualified automotive technician. Do not look directly into the LED lights when they are on, as this may cause eye strain or damage.

6. INSTALLATION

The BICYACO LED Fog Lights are designed for a plug-and-play installation, typically taking approximately 15-30 minutes. No additional brackets are usually required as they are designed for direct OEM replacement.

1. **Preparation:** Park your vehicle on a level surface and engage the parking brake. Turn off the engine and disconnect the negative terminal of the battery.
2. **Access Fog Light Area:** Depending on your vehicle model, you may need to remove some clips or screws from the fender liner to access the rear of the fog light assembly.
3. **Remove Old Fog Lights:** Disconnect the wiring harness from the existing fog light. Unbolt or unclip the old

fog light assembly from its mounting points.

4. **Install New LED Fog Lights:** Connect the wiring harness of the new BICYACO LED Fog Light to the vehicle's existing harness. Ensure a secure connection.
5. **Mount New Fog Lights:** Secure the new LED fog light assembly into the vehicle's mounting points. Ensure it is firmly seated.
6. **Adjust Beam Angle:** Use the integrated beam angle adjuster to set the desired light projection. It is recommended to adjust the beam against a wall at a distance to ensure proper alignment and avoid blinding oncoming drivers.
7. **Reassemble:** Reattach any removed fender liner components.
8. **Test:** Reconnect the battery, turn on the vehicle, and test the fog lights to ensure they function correctly.



Image: The plug-and-play connector simplifies the installation process.

FITMENT

- ⬆ Compatible with 2009-2012 Dodge Ram 1500
- ⬆ Compatible with 2010-2018 Dodge Ram 2500
- ⬆ Compatible with 2010-2018 Dodge Ram 3500

Image: Visual guide demonstrating the quick and easy plug-and-play installation.



Image: A red Dodge Ram truck with the BICYACO LED fog lights installed, showcasing their appearance and illumination.

7. OPERATION

Once installed, the BICYACO LED Fog Lights operate in conjunction with your vehicle's existing fog light switch. Activate them as you would your original fog lights. The bright, white LED output is designed to improve visibility in low-light conditions, fog, rain, and snow.

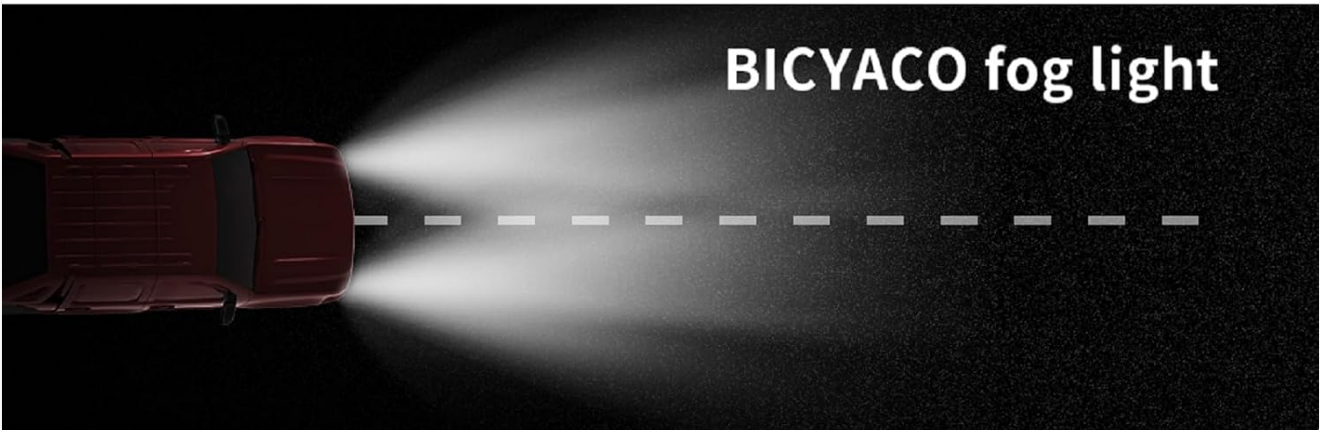
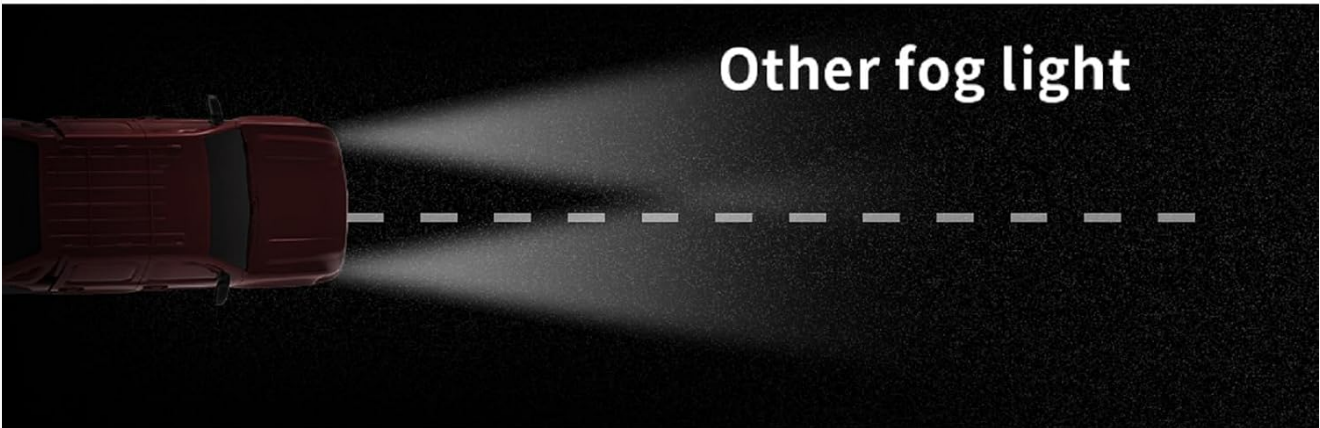


Image: A visual comparison demonstrating the enhanced brightness and wider light spread of BICYACO fog lights compared to standard options.

Waterproof-IP67

Two breather valve to prevent water getting inside.
No moisture or condensation allowed in while
driving in foggy or raining days.



Image: The fog lights are shown with water splashing, illustrating their IP67 waterproof capability for all-weather use.

8. MAINTENANCE

The BICYACO LED Fog Lights require minimal maintenance due to their durable design and long lifespan.

- **Cleaning:** Periodically clean the lens with a soft cloth and mild soap and water to remove dirt and debris. Avoid abrasive cleaners or harsh chemicals.
- **Inspection:** Regularly inspect the lights for any signs of damage or loose connections.
- **Waterproof Design:** The IP67 rating ensures protection against water and dust ingress, reducing the need for internal maintenance.

9. TROUBLESHOOTING

If you encounter issues with your BICYACO LED Fog Lights, consider the following:

- **Lights Not Turning On:**

- Check all wiring connections to ensure they are secure and properly seated.
- Verify the vehicle's fog light switch is in the 'on' position.
- Inspect the fuse for the fog lights in your vehicle's fuse box.

- **One Light Not Working:**

- Check the specific wiring connection for the non-functioning light.
- Ensure the light assembly is correctly installed and seated.

- **Dim or Flickering Lights:**

- Ensure the vehicle's electrical system is providing adequate voltage.
- Check for any loose connections or damaged wiring.

- **Improper Beam Pattern:**

- Adjust the beam angle using the integrated adjuster screw until the desired pattern is achieved. Refer to local regulations for proper fog light aiming.

If these steps do not resolve the issue, please contact BICYACO customer support for further assistance.

10. SPECIFICATIONS

Brand	BICYACO
Model	BIX-0916 FOG LIGHT
Color	Black
Specific Uses For Product	Fog Lights
Vehicle Service Type	Compatible with Dodge Ram 1500 (2009-2012), Dodge Ram 2500 (2010-2018), Dodge Ram 3500 (2010-2018)
Special Feature	DOT Approved, Dustproof, Shockproof, Waterproof
Wattage	72 watts
Auto Part Position	Front
Lens Color	Clear
Lens Material	Polycarbonate
Item Dimensions (L x W x H)	10.24 x 5.91 x 4.72 inches
Item Weight	5.49 pounds
Safety Rating	DOT Certified

DOT / SEA Approved



Image: The fog light displaying its DOT/SAE approval and key dimensions.

11. WARRANTY AND SUPPORT

BICYACO offers the following for your product:

- **Warranty:** 365 days warranty.
- **Returns:** 30 days easy return policy.
- **Technical Support:** 24-hour online support for professional technical assistance.

For further inquiries or support, please visit the official BICYACO store: [BICYACO Store](#)

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

you@example.com

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