

CHICIRIS CHICIRIS5oz74UW2

Xenon Headlight Ballast Instruction Manual

Model: CHICIRIS5oz74UW2

INTRODUCTION

The CHICIRIS Xenon Headlight Ballast (Model: CHICIRIS5oz74UW2) is designed to provide stable and reliable power to your vehicle's Xenon (HID) headlights. This ballast ensures quick startup and consistent performance, crucial for optimal headlight function and road visibility. This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your new ballast.

Product Overview



This image displays the top surface of the Xenon Headlight Ballast, featuring the product label with model number 1 307 329 082, power specifications (35W max, 1200V DC/85V AC), and a warning symbol. The ballast is made of a durable metal casing.



The ballast is shown from an angled perspective, highlighting its compact design. In the background, a car's headlight is illuminated, illustrating the product's function in automotive lighting systems.

Safety Information

- **Always disconnect the vehicle's battery** before attempting any electrical work.
- Xenon headlight systems operate at high voltages. Exercise extreme caution to avoid electrical shock.
- Wear appropriate personal protective equipment (PPE), including safety glasses and insulated gloves, during installation.
- Ensure the vehicle's engine is off and cooled down before beginning installation.
- If you are unsure about any step, consult a qualified automotive technician.
- Do not attempt to open or repair the ballast unit. There are no user-serviceable parts inside.

SETUP AND INSTALLATION

Proper installation is critical for the performance and longevity of your Xenon headlight ballast.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Turn off the engine and remove the key from the ignition. Disconnect the negative terminal of the vehicle's battery.
2. **Access the Headlight Assembly:** Depending on your vehicle model, you may need to remove the bumper, fender liner, or other components to access the headlight assembly. Refer to your vehicle's service manual for specific instructions.
3. **Locate the Existing Ballast:** Identify the old Xenon ballast. It is typically mounted directly to the headlight housing or located nearby.
4. **Disconnect Wiring:** Carefully disconnect the high-voltage wire leading to the Xenon bulb and the power input connector from the old ballast. Note the orientation of the connectors.
5. **Remove Old Ballast:** Unscrew or unclip the old ballast from its mounting location.
6. **Install New Ballast:** Mount the new CHICIRIS Xenon Headlight Ballast in the same location as the old one, ensuring it is securely fastened.
7. **Connect Wiring:** Connect the high-voltage wire to the Xenon bulb and the power input connector to the new ballast. Ensure all connections are firm and correctly oriented.
8. **Reassemble:** Reinstall any vehicle components that were removed to access the headlight assembly.
9. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
10. **Test Functionality:** Turn on your vehicle's headlights to verify proper operation. Check both low beam and high beam functions.

OPERATION

The Xenon Headlight Ballast operates automatically once installed and connected to the vehicle's electrical system. When the headlights are activated, the ballast converts the vehicle's 12V DC power into the high voltage (up to 25,000V for ignition, then stabilizing to 85V AC) required to ignite and maintain the arc in the Xenon bulb. The ballast continuously regulates the current to the bulb, ensuring stable light output and protecting the bulb from voltage fluctuations.

MAINTENANCE

The CHICIRIS Xenon Headlight Ballast is designed for maintenance-free operation. However, periodic checks can help ensure optimal performance:

- **Visual Inspection:** Annually inspect the ballast and its wiring for any signs of damage, corrosion, or loose connections.
- **Cleanliness:** Keep the area around the ballast free from excessive dirt, dust, and moisture. Use a dry, soft cloth to wipe down the exterior if necessary.
- **Avoid Impact:** Protect the ballast from physical impact, which can damage internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Headlight does not turn on	Loose connection	Check all wiring connections to the ballast and bulb. Ensure they are secure.
	Faulty bulb	Test the Xenon bulb with a known good ballast or replace it.
	Blown fuse	Check the vehicle's headlight fuse in the fuse box and replace if necessary.
	Faulty ballast	If connections and bulb are good, the ballast may be faulty and require replacement.
Headlight flickers or dims	Unstable power supply	Check vehicle's battery and alternator for proper voltage output.
	Loose connection	Re-check all electrical connections.
	Aging bulb	Xenon bulbs can flicker when nearing end-of-life. Consider replacing the bulb.
	Overheating ballast	Ensure the ballast is properly mounted and has adequate ventilation.
Headlight turns on then off	Faulty bulb	The bulb may be failing to maintain an arc. Replace the bulb.
	Ballast protection mode	The ballast may be shutting down due to a short circuit or overload. Inspect wiring for damage.
	Incorrect bulb type	Ensure the installed Xenon bulb is compatible with the ballast (e.g., D1S, D2S).

SPECIFICATIONS

The following are general specifications for the CHICIRIS Xenon Headlight Ballast:

Feature	Specification
Model Number	CHICIRIS5oz74UW2
Part Number	1 307 329 082 (Equivalent to 63127176068)
Input Voltage	12V DC (Vehicle System)
Output Voltage (Ignition)	Up to 25,000V (peak)
Output Voltage (Operating)	85V AC
Power Output	35W (max)

Feature	Specification
Compatibility	D1S, D1R, D2S, D2R Xenon bulbs
Material	Aluminum alloy casing
Operating Temperature	-40°C to +105°C (typical)

COMPATIBILITY

This Xenon Headlight Ballast is designed as a direct replacement for various vehicle models. Please verify the part number (1 307 329 082 or 63127176068) against your original ballast or vehicle's specifications to ensure compatibility. Known compatible models include, but are not limited to:



- Fitment:
- Replacement for A8 S8 2001-2003
 - Replacement for TT 2000-2006
 - Replacement for Range Rover 2003-2005
 - Replacement for Cooper / Cooper S (R50/R52) 2002-2006
 - Replacement for Cooper Convertible (R53) 2002-2006
 - Replacement for Mazda 6 2003-2008
 - Replacement for MERCEDES-BENZ CLK320 CLK500 CLK55AMG (W209) 2003-2006
 - Replacement for MERCEDES-BENZ C230 C240 C280 C320 C350 C320 C55AMG 2001-2007
 - Replacement for MERCEDES-BENZ CL500 CL600 CL55 CL65AMG (W215) 2003-2006
 - Replacement for MERCEDES-BENZ SL500 SL600 SL55AMG SL65 2003-2006
 - Replacement for MERCEDES-BENZ S430 S500 S600 S55 S65 (W210) 2003-2006
 - Replacement for X3 (E83) 2004-2006
 - Replacement for 325i 325ci 325xi 330i 330ci M3 (E46) 2002-2005

This image presents the ballast alongside a comprehensive list of compatible vehicle models and years, including various Audi, Range Rover, Mini Cooper, Mazda, and Mercedes-Benz models. This list helps users verify product fitment for their specific vehicle.

- Replacement for Audi A8 S8 2001-2003
- Replacement for Audi TT 2000-2006
- Replacement for Range Rover 2003-2005
- Replacement for Cooper / Cooper S (R50/R52) 2002-2006
- Replacement for Cooper Convertible (R53) 2002-2006
- Replacement for Mazda 6 2003-2008
- Replacement for MERCEDES-BENZ CLK320 CLK500 CLK55AMG (W209) 2003-2006
- Replacement for MERCEDES-BENZ C230 C240 C280 C320 C350 C320 C55AMG 2001-2007
- Replacement for MERCEDES-BENZ CL500 CL600 CL55 CL65AMG (W215) 2003-2006
- Replacement for MERCEDES-BENZ SL500 SL600 SL55AMG SL65 2003-2006
- Replacement for MERCEDES-BENZ S430 S500 S600 S55 S65 (W210) 2003-2006
- Replacement for BMW X3 (E83) 2004-2006
- Replacement for BMW 325i 325xi 330i 330ci M3 (E46) 2002-2005

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly. For technical support or assistance with installation and troubleshooting, please reach out to the CHICIRIS customer service team through your point of purchase.

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