



[Manuals.plus](#) /

› [WBFYEE](#) /

› WBFYEE Xenon HID Ballast 8K0.941.597B Instruction Manual

## WBFYEE 8K0.941.597B

# WBFYEE Xenon HID Ballast 8K0.941.597B Instruction Manual

Model: 8K0.941.597B

## 1. PRODUCT OVERVIEW

This document provides essential instructions for the installation, operation, and maintenance of the WBFYEE Xenon HID Ballast, model 8K0.941.597B. This ballast is an aftermarket replacement component designed to power High-Intensity Discharge (HID) headlamp bulbs in compatible vehicles.



Figure 1.1: Top view of the WBFYEE Xenon HID Ballast, showing the main housing and electrical connection ports.

### Key Features:

- **Lightweight Design:** Engineered for reduced weight compared to traditional inductive ballasts.
- **Dimmable Functionality:** Supports dimming capabilities within a range of 2% to 100%.
- **Enhanced Control:** Facilitates various automatic control systems for lighting.
- **Reliable Start-up:** Designed for instant ignition in low temperature and low pressure environments.
- **Stable Light Output:** Provides constant instantaneous output power to the lamp, ensuring flicker-free illumination and improved lighting performance.

## 2. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before attempting installation or operation.

Failure to do so may result in personal injury or damage to the product or vehicle.

- **Professional Installation Recommended:** Due to the high voltage involved with HID systems, professional installation by a qualified technician is strongly recommended.
  - **Disconnect Power:** Always disconnect the vehicle's battery before performing any electrical work.
  - **High Voltage:** HID ballasts operate at very high voltages. Avoid contact with internal components or wiring when the system is powered.
  - **Proper Handling:** Handle the ballast carefully to avoid physical damage. Do not drop or expose to excessive moisture.
  - **Ventilation:** Ensure the installation location allows for adequate ventilation to prevent overheating.
- 

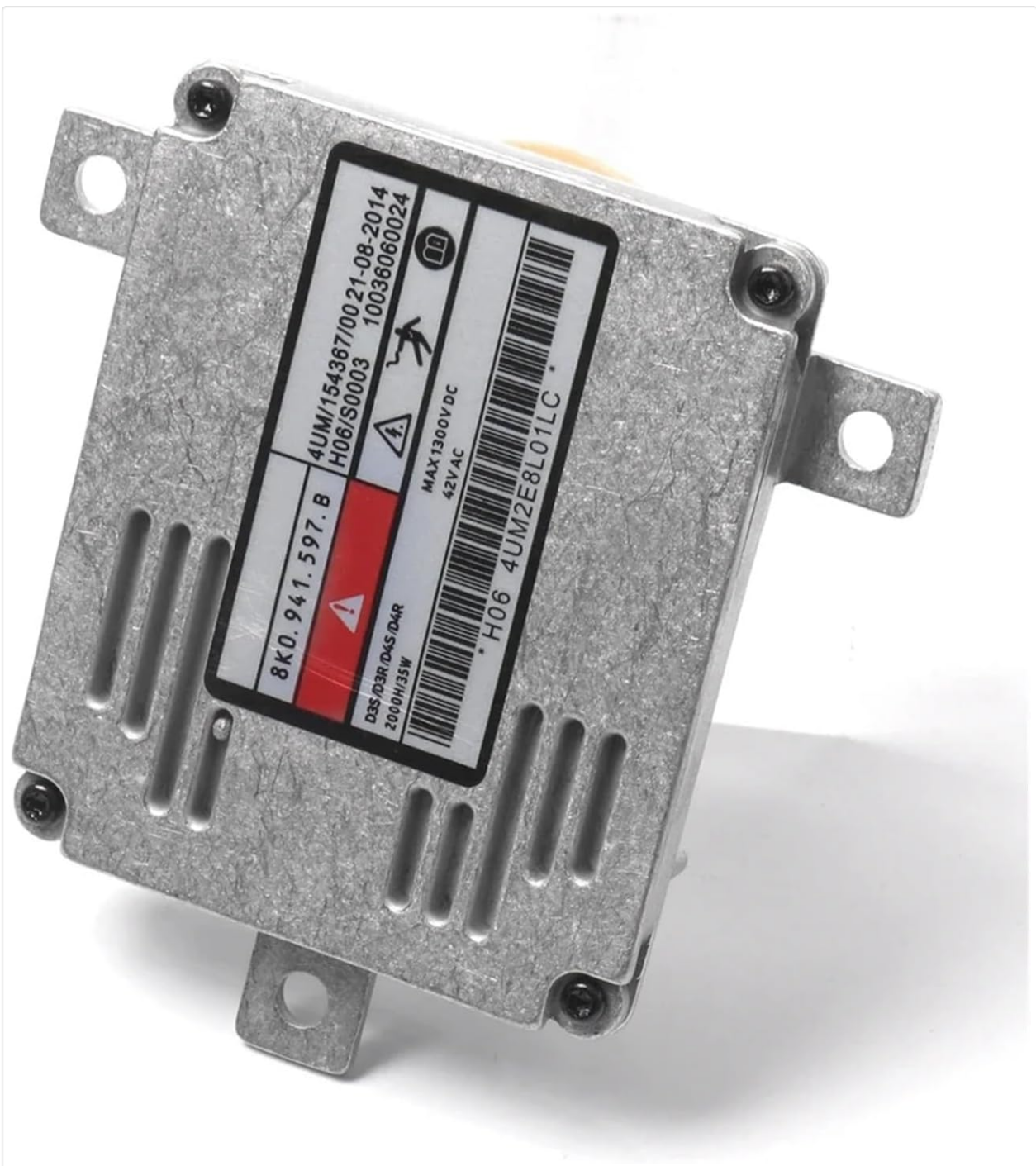
### 3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package.

- 1 x WBFYEE Xenon HID Ballast (Model: 8K0.941.597B)
- 

### 4. INSTALLATION AND SETUP

This section provides general guidance for installing the HID ballast. Specific installation procedures may vary depending on your vehicle model. Always refer to your vehicle's service manual for detailed instructions.



**Figure 4.1:** Bottom view of the ballast, displaying the identification label with model and serial numbers.

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected. Allow the existing HID system to cool down completely if it was recently in use.
2. **Locate Existing Ballast:** Identify the location of the old ballast. This is typically near the headlight assembly.
3. **Remove Old Ballast:** Carefully disconnect all electrical connectors and mounting hardware from the old ballast. Note the orientation and connection points.
4. **Inspect Wiring:** Check all wiring and connectors for signs of damage, corrosion, or wear. Repair or replace as necessary.
5. **Install New Ballast:** Mount the new WBFYEE ballast in the same location and orientation as the original. Secure it using appropriate hardware.
6. **Connect Wiring:** Connect the electrical connectors to the new ballast. Ensure all connections are secure and properly seated.

7. **Reconnect Battery:** Once the ballast is securely installed and all connections are made, reconnect the vehicle's battery.
8. **Test Functionality:** Turn on the vehicle's headlights to verify proper operation. Check both low and high beams, if applicable.

*Note: This ballast is an aftermarket replacement. While designed for direct fitment, minor adjustments or professional assistance may be required for certain vehicle configurations.*

---

## 5. OPERATION

The WBFYEE Xenon HID Ballast functions by converting the vehicle's 12V DC power into the high voltage AC required to ignite and sustain the arc in a Xenon HID bulb. Once installed, the ballast operates automatically when the vehicle's headlights are activated.

- The ballast provides a stable power supply to the HID bulb, ensuring consistent light output.
  - The ballast itself does not influence the color temperature of the light; this characteristic is determined by the HID bulb's specifications.
- 

## 6. MAINTENANCE

The WBFYEE Xenon HID Ballast is designed for long-term reliability and typically requires minimal maintenance. However, regular checks of the overall headlight system are recommended.

- **Bulb Inspection:** Periodically inspect your HID bulbs for signs of wear, discoloration, or flickering. A faulty bulb can negatively impact ballast performance.
  - **Connection Integrity:** Ensure all electrical connections to the ballast and bulb remain clean, tight, and free from corrosion.
  - **Environmental Protection:** Keep the ballast free from excessive dirt, moisture, and extreme temperatures.
- 

## 7. TROUBLESHOOTING

If your HID headlights are not functioning correctly after installing the new ballast, consider the following troubleshooting steps:

- **Check Bulbs:** A common cause of HID system failure is a faulty bulb. Even a good ballast may not operate correctly with a damaged or worn-out bulb. Consider testing with a known good bulb.
  - **Verify Connections:** Double-check all electrical connections to ensure they are secure and correctly polarized. Loose connections can prevent proper operation.
  - **Inspect Fuses:** Check the vehicle's fuse box for any blown fuses related to the headlight circuit.
  - **Vehicle Compatibility:** Confirm that the ballast is indeed compatible with your specific vehicle make, model, and year. Refer to the compatibility list in Section 9.
  - **Professional Diagnosis:** If issues persist after these checks, it is advisable to seek diagnosis from a qualified automotive technician.
-

## 8. SPECIFICATIONS

Specification	Value
Model Number	8K0.941.597B
Compatible Lamp Type	D3S, D3R, D4S, D4R
Power Output	35W
Input Voltage	Typically 12V DC (vehicle system)
Manufacturer Part Number	8K0.941.597 B, 8K0941597B, 8K0941597
Other Reference Numbers	8K0.941.597, 8K0.941.597 E, 8K0.941.597 C, 1036060024 H05/S0002, W003T18471, W003T22071, W003T20171, W003T22073, BAM92-143700, 991.618.323.03, 691.31.125.99, 722.61.150.99
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces

## 9. VEHICLE COMPATIBILITY

This WBFYEE Xenon HID Ballast (8K0.941.597B) is compatible with various vehicle models. Please compare the part number with your original ballast to ensure correct fitment. Compatibility is subject to specific vehicle configurations and production dates.



Figure 9.1: Front view highlighting the HID ballast and its primary identification number.

## Compatible with:

- **Audi:**

- A1 (2010-2017)
- A3 / S3 (2009-2016)
- A4 / S4 (2010-2016)
- A5 / S5 / RS5 (2008-2016)
- A8 / S8 / A8L (2010-2014)
- Q5 (2009-2017)
- Q7 (2010-2015)

- **Volkswagen (VW):**

- CC (2013-2017)
- Eos (2012-2016)
- Jetta (2012-2018)
- Tiguan (2012-2017)
- Touareg (2011-2017)
- Passat (2013-2015)

---

## 10. WARRANTY AND SUPPORT

This product is an aftermarket replacement part. For specific warranty information, please refer to the terms provided by your retailer at the time of purchase. For technical support or inquiries regarding this product, please contact the seller or manufacturer through the original point of sale.

---