

Eiko 916-BP

Eiko 916-BP T-5 Wedge Base Halogen Bulb User Manual

Model: 916-BP

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of the Eiko 916-BP T-5 Wedge Base Halogen Bulb. Please read this manual thoroughly before installation and retain it for future reference. This bulb is designed to meet or exceed the performance of original equipment lamps in compatible applications.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage:

- **Disconnect Power:** Always ensure the power supply to the fixture or vehicle is disconnected before attempting installation, removal, or maintenance.
- **Handle with Care:** Halogen bulbs can become very hot during operation. Allow the bulb to cool completely before handling. Avoid touching the glass portion of the bulb with bare hands, as oils can reduce bulb life. Use a clean cloth or gloves.
- **Correct Voltage:** Ensure the bulb's voltage (13.5V) matches the intended application's requirements. Using an incorrect voltage can lead to premature failure or damage.
- **Proper Disposal:** Dispose of used bulbs according to local regulations.
- **Eye Protection:** Wear appropriate eye protection during installation or removal to prevent injury from shattered glass.

3. PRODUCT OVERVIEW

The Eiko 916-BP is a T-5 wedge base halogen bulb, designed for various automotive and general lighting applications. It features high-performance tungsten filaments that produce a brighter, whiter light compared to standard incandescent bulbs.



Figure 1: Eiko 916-BP T-5 Wedge Base Halogen Bulb. This image shows the compact design of the halogen bulb with its clear glass envelope and wedge-style base.

Key Features:

- **High Performance Tungsten Filaments:** Produces a brighter, whiter light for improved visibility.
- **Wedge Base (T-5):** Designed for easy plug-and-play installation in compatible sockets.
- **Durable Construction:** Manufactured to exacting standards for reliable performance.
- **Voltage:** 13.5V, 0.54 Amp.

4. INSTALLATION

Follow these steps for proper installation of the Eiko 916-BP halogen bulb:

1. **Turn Off Power:** Before beginning, ensure the power to the light fixture or vehicle system is completely turned off and disconnected.
2. **Access Bulb Socket:** Locate and access the bulb socket where the new bulb will be installed. This may involve removing covers or panels depending on the application.
3. **Remove Old Bulb:** Carefully pull the old wedge base bulb straight out from its socket. If the old bulb is broken, use pliers or tweezers to remove any remaining glass or base fragments.

4. **Insert New Bulb:** Holding the new Eiko 916-BP bulb by its plastic base (or using a clean cloth/gloves if handling the glass), align the wedge base with the socket and gently push it straight in until it is firmly seated. Do not force the bulb.
5. **Secure Access:** Reinstall any covers or panels that were removed to access the socket.
6. **Test Functionality:** Restore power and test the bulb to ensure it illuminates correctly.

Important: Avoid touching the glass envelope of the new bulb with bare hands. Fingerprints can cause hot spots and lead to premature bulb failure. If the glass is touched, clean it with rubbing alcohol and a clean cloth before use.

5. OPERATION

The Eiko 916-BP halogen bulb operates immediately upon receiving power. Once installed correctly, simply activate the light switch or vehicle system to turn the bulb on. The bulb will provide a bright, white light output suitable for its intended application.

- **Heat Generation:** Halogen bulbs generate significant heat during operation. Ensure adequate ventilation around the bulb and fixture.
- **Dimming:** Over time, all lamps will dim. For optimal performance, especially in critical applications like vehicle headlamps, it is recommended to replace both bulbs simultaneously.

6. MAINTENANCE

The Eiko 916-BP halogen bulb is designed for long-lasting performance with minimal maintenance. However, periodic checks and proper handling can extend its lifespan:

- **Cleaning:** If the bulb's glass surface becomes dirty, ensure the power is off and the bulb is cool. Gently wipe the glass with a clean, lint-free cloth dampened with rubbing alcohol. Allow to dry completely before restoring power.
- **Replacement:** Replace the bulb when it burns out or when its light output significantly diminishes. Refer to the installation section for replacement procedures.
- **Inspection:** Periodically inspect the bulb and its socket for any signs of corrosion, loose connections, or damage. Address any issues promptly.

7. TROUBLESHOOTING

If the Eiko 916-BP bulb does not function as expected, consider the following troubleshooting steps:

- **Bulb Not Lighting:**
 - Ensure power is supplied to the fixture/vehicle.
 - Check if the bulb is properly seated in its socket. Remove and reinsert firmly.
 - Inspect the bulb filament for breakage. If broken, the bulb needs replacement.
 - Check the fuse or circuit breaker for the circuit.
 - Test the socket with a known working bulb, if possible, to rule out a faulty socket.
- **Bulb Flickers:**
 - Ensure the bulb is securely seated in the socket.
 - Check for loose wiring connections in the fixture or vehicle.
 - Verify the voltage supply is stable and within the bulb's specifications.

- **Short Bulb Life:**

- Ensure the bulb's voltage matches the application's voltage. Over-voltage significantly reduces bulb life.
- Avoid touching the glass with bare hands during installation.
- Check for excessive vibration in the application, which can damage the filament.
- Ensure adequate ventilation to prevent overheating.

8. SPECIFICATIONS

Specification	Value
Brand	Eiko
Model Number	916-BP
Bulb Type	Halogen
Bulb Shape Size	T-5
Bulb Base	Wedge
Voltage	13.5V (Rated 14 Volts)
Current	0.54 Amp
Wattage	7.29W (calculated from 13.5V * 0.54A)
Material	Tungsten (filament)
Item Weight	3.2 ounces
Product Dimensions	1 x 1 x 2.7 inches
UPC	031293421524

9. WARRANTY AND SUPPORT

Eiko products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Eiko website or contact their customer service department. Keep your purchase receipt as proof of purchase.

For further assistance, please visit: www.eiko.com