

Manuals.plus /

› Technical Precision /

› Technical Precision H11 Platinum 6000 Lumens LED Headlight Bulbs for KENWORTH T370 (2014) - Instruction Manual

Technical Precision TZ-ER2B-F

Technical Precision H11 Platinum 6000 Lumens LED Headlight Bulbs for KENWORTH T370 (2014)

Model: TZ-ER2B-F

INTRODUCTION

This instruction manual provides comprehensive guidance for the safe and effective installation, operation, and maintenance of your Technical Precision H11 Platinum 6000 Lumens LED Headlight Bulbs. These bulbs are specifically designed as a replacement for the KENWORTH T370 (2014) model. Please read this manual thoroughly before proceeding with installation or use.

SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure the vehicle's engine is off and the battery is disconnected before beginning installation to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Handle LED bulbs by their base to avoid touching the LED chips, which can be sensitive to oils and contaminants.
- Do not look directly into the illuminated LED bulb, as the intense light can cause eye strain or damage.
- Keep packaging materials and small components away from children.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.

PACKAGE CONTENTS

Verify that all items are present and undamaged:

- One (1) pair of Technical Precision H11 Platinum 6000 Lumens LED Headlight Bulbs (Model: TZ-ER2B-F)



Image: Two Technical Precision H11 Platinum 6000 Lumens LED Headlight Bulbs. Each bulb features a silver-colored LED chip array at the top, a black base, and a ribbed heat sink for cooling. A black electrical connector is attached to each bulb via a short wire.

SETUP AND INSTALLATION

This section outlines the general steps for installing the LED headlight bulbs. Specific procedures may vary slightly depending on your vehicle's configuration. Refer to your vehicle's service manual for detailed instructions on accessing the headlight assembly.

1. **Preparation:** Park the vehicle on a level surface, turn off the engine, and engage the parking brake. Disconnect the negative terminal of the vehicle's battery to prevent electrical issues.
2. **Access Headlight Assembly:** Locate the headlight assembly. Depending on your KENWORTH T370 model, this may require opening the hood and removing certain covers or components to gain access to the rear of the headlight housing.
3. **Remove Old Bulb:** Disconnect the electrical connector from the existing H11 halogen bulb. Then, unclip or twist the old bulb to remove it from the headlight housing.
4. **Install New LED Bulb:** Carefully insert the Technical Precision H11 LED headlight bulb into the headlight housing. Ensure it is seated correctly and securely. The bulb should fit snugly without excessive force.
5. **Connect Electrical:** Connect the electrical connector from the vehicle's wiring harness to the new LED bulb's connector. Ensure a firm and secure connection.
6. **Repeat for Other Side:** Repeat steps 2-5 for the other headlight bulb.
7. **Test Functionality:** Reconnect the vehicle's battery. Turn on the headlights to verify that both new LED bulbs illuminate correctly. Check both low beam and high beam functions if applicable.
8. **Adjust Beam (if necessary):** After installation, it is recommended to check the headlight beam pattern and aim. If the beam pattern appears incorrect or causes glare, professional adjustment may

be required.

OPERATING INSTRUCTIONS

Once installed, the Technical Precision H11 LED headlight bulbs operate like standard vehicle headlights. Use your vehicle's existing headlight switch to turn them on and off, and to switch between low and high beams (if your vehicle's wiring supports this functionality with H11 bulbs).

- **Low Beam:** Provides illumination for general driving, designed to avoid dazzling oncoming traffic.
- **High Beam:** Provides maximum illumination for driving in dark conditions where no oncoming traffic is present.

These LED bulbs are designed for instant full brightness and do not require a warm-up period.

MAINTENANCE

Technical Precision LED headlight bulbs are designed for long-term, maintenance-free operation. However, routine checks can help ensure optimal performance:

- **Regular Cleaning:** Keep your vehicle's headlight lenses clean from dirt, dust, and debris to ensure maximum light output. Use a soft cloth and appropriate automotive cleaning solution.
- **Visual Inspection:** Periodically inspect the bulbs and their connections for any signs of damage or loose wiring.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or solvents on the headlight lenses or the LED bulbs themselves, as this can cause damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Bulb does not illuminate.	Loose electrical connection. Incorrect installation. Blown fuse. Defective bulb.	Check and secure all electrical connections. Re-install the bulb, ensuring it is seated correctly. Check the vehicle's fuse box and replace any blown fuses. Contact Technical Precision support if the bulb is confirmed defective.
Flickering or intermittent light.	Loose connection. Voltage instability. CAN bus error (if applicable).	Secure all connections. Ensure stable power supply. Some vehicles may require a CAN bus decoder/resistor (not included) to prevent flickering or error messages.
Headlight warning light on dashboard.	CAN bus incompatibility.	Some vehicles' onboard computer systems may detect the lower power draw of LED bulbs as a "bulb out" error. A CAN bus decoder/resistor (not included) may be required to resolve this.
Poor beam pattern or excessive glare.	Improper bulb seating. Incorrect headlight aim.	Ensure the bulb is correctly oriented and fully seated in the housing. Have the headlight aim professionally adjusted.

SPECIFICATIONS

Feature	Detail
Brand	Technical Precision
Model Number	TZ-ER2B-F
Bulb Type	H11 LED Headlight Bulb
Lumen Output	6000 Lumens (per bulb, typical)
Fit Type	Vehicle Specific Fit (KENWORTH T370, 2014)
Item Package Quantity	1 (pair of bulbs)

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Technical Precision LED headlight bulbs, please contact the manufacturer directly. Refer to the product packaging or the Technical Precision website for current contact details.

Manufacturer: Technical Precision

ASIN: B0DXZNDP75

