

## Firehawk H13/9008 (Model TE3-V49-H13)

# Firehawk H13/9008 LED Bulbs Instruction Manual

Model: H13/9008 (TE3-V49-H13)

Brand: Firehawk

## 1. INTRODUCTION

Thank you for choosing Firehawk H13/9008 LED Bulbs. These high-performance LED bulbs are designed to provide superior illumination and durability for your vehicle's fog lights. Featuring advanced Japanese LED chips, they offer exceptional brightness, a focused beam pattern, and a long lifespan, ensuring a safer and more comfortable driving experience.

This manual provides essential information for the proper installation, operation, and maintenance of your new LED bulbs. Please read it thoroughly before installation and keep it for future reference.

## 2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Ensure the bulbs are cool before handling them after operation.
- Do not touch the LED chips directly, as oils from your skin can reduce their lifespan.
- Verify that the bulb type (H13/9008) is compatible with your vehicle's headlight or fog light housing before installation. Consult your vehicle's owner's manual or an automotive bulb lookup tool if unsure.
- Properly dispose of old bulbs according to local regulations.

## 3. PACKAGE CONTENTS

The Firehawk H13/9008 LED Bulb package includes:

- 2 x Firehawk H13/9008 LED Bulbs
- Instruction Manual (this document)

## 4. SETUP AND INSTALLATION

The Firehawk H13/9008 LED Bulbs are designed for a quick and easy 5-minute installation, featuring a 1:1 halogen design for direct plug-and-play compatibility. No polarity means you can insert the connector in either direction.

### Installation Steps:

1. **Locate the Bulb Housing:** Identify the H13/9008 bulb housing in your vehicle's fog light assembly.
2. **Remove Old Bulb:** Carefully twist and pull out the existing halogen bulb from its socket. Disconnect the electrical connector.
3. **Insert New LED Bulb:** Insert the Firehawk H13/9008 LED bulb into the housing. Ensure it seats firmly and twist to lock it in place.
4. **Connect Electrical Connector:** Connect the vehicle's electrical connector to the LED bulb's connector. Since there is no polarity, it will work in either orientation.
5. **Test Functionality:** Turn on your vehicle's fog lights to ensure the new LED bulbs illuminate correctly.
6. **Adjust Beam Pattern (if necessary):** The bulbs feature a 360° adjustable beam. If the light pattern is not optimal, gently rotate the bulb within its housing to achieve the best beam pattern for your vehicle. This helps prevent glare for oncoming traffic and maximizes your night vision.

**Note:** If you are unsure which bulb model your vehicle requires, please search for "automotive bulb look-up" online, check your vehicle's owner's manual, or contact Firehawk customer support for assistance.



Image: Step-by-step visual guide for installing the Firehawk H13/9008 LED Bulbs, showing the 1:1 halogen design and plug-and-play connection.

## 5. OPERATING INSTRUCTIONS

Once installed, your Firehawk H13/9008 LED Bulbs operate like standard fog lights but with significantly enhanced performance:

- **Instant On:** The bulbs feature a 0-second turn-up time, providing immediate full brightness upon activation.
- **Superior Brightness:** Experience 30,000 lumens per pair with 500% increased brightness compared to standard halogen bulbs, ensuring excellent visibility.
- **Cool White Illumination:** The 6000K xenon white light provides a clear, modern aesthetic and improved contrast for night driving.
- **Optimized Beam Pattern:** The super-focused beam pattern offers 250% enhanced night vision, eliminating dark spots and shadows, and is designed to prevent blinding oncoming traffic.
- **All-Weather Performance:** Designed to work perfectly in a wide temperature range from -45°F to 150°F, and with IP68 waterproof and dustproof rating, ensuring reliable operation in various environmental conditions.

# SEE BRIGHTER

## +500% BRIGHTNESS



**FIREHAWK**

**New Japanese  
LED Chips**

✓ Bright  
**30,000LM**

✓ **0s**  
Turn Up

✓ **6000K**  
Eye-Protection Cool White

✓ **Passed 72 Hours**  
Light Decay Test

✓ Work Perfectly From  
**-45°F to 150°F**

**OTHER**

**Traditional  
LED Chips**

× Dim  
**<3000LM**

× **1-2s**  
Delay

× **6500K**  
Uncomfortable Bluish

× Get Dim In  
**A Few Minutes**

× **Easily burnt out**

Image: Visual comparison highlighting the superior brightness (30,000LM), instant turn-up, 6000K cool white, and wide operating temperature range of Firehawk LED chips compared to traditional LED chips.



# ENJOY YOUR SAFE DRIVING EXPERIENCE

Firehawk LED Lighting Bulbs



**+250%**  
NIGHT VISIBILITY

**Super-Focused**  
BEAM PATTERN

**Anti-Glare**  
TECHNOLOGY



*Image: Illustration demonstrating the enhanced night visibility (1500FT) and super-focused, anti-glare beam pattern provided by Firehawk LED bulbs compared to other lighting solutions (200FT).*

## 6. MAINTENANCE

Firehawk H13/9008 LED Bulbs are designed for minimal maintenance due to their robust construction and long lifespan.

- **Lifespan:** These bulbs are engineered to last over 50,000 hours, significantly outlasting traditional halogen bulbs by up to 100 times.
- **Cooling System:** The advanced cooling system, featuring 2mm thickened red copper, 40 aviation aluminum heat sinks, and a 12,000 RPM silent turbofan, ensures optimal operating temperature and extends bulb life.
- **Cleaning:** Periodically inspect the bulb surface and the vehicle's light housing for dirt or debris. Clean with a soft, dry cloth if necessary. Avoid using abrasive cleaners or solvents.
- **Waterproof Design:** The IP68 waterproof rating means the bulbs are highly resistant to water and dust ingress, reducing the need for frequent cleaning or protection from elements.

# MOST ADVANCED COOLING SYSTEM

Firehawk LED Lighting Bulbs



=

**2mm**  
Thickened Red Copper

**40pcs**  
Aviation Aluminum Heat Sinks

**12,000RPM**  
Silent Turbo Fan

Over  
**50,000** Hours  
Lifespan

**FIREHAWK**  
**1 Firehawk Bulb = 100X Halogen Bulbs**

Image: Diagram illustrating the advanced cooling system of Firehawk LED bulbs, including thickened red copper, aviation aluminum heat sinks, and a silent turbofan, contributing to a lifespan of over 50,000 hours.

## 7. TROUBLESHOOTING

If you encounter any issues with your Firehawk H13/9008 LED Bulbs, please refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Bulbs do not light up.	Incorrect connection; loose wiring; blown fuse; incompatible vehicle system.	Ensure connectors are securely plugged in. Check vehicle's fuse box for blown fuses. Verify bulb compatibility with your vehicle.
Bulbs flicker or turn off intermittently.	Canbus system incompatibility; voltage fluctuations.	These bulbs have a built-in Canbus driver. If flickering persists, a separate decoder might be needed for some sensitive vehicle systems. Ensure stable power supply.

Problem	Possible Cause	Solution
Radio interference.	Electromagnetic interference from LED drivers.	The bulbs are designed with anti-radio interference technology. If interference occurs, ensure proper grounding and check for any loose connections.
Beam pattern is not optimal or causes glare.	Bulb not correctly oriented in housing.	Utilize the 360° adjustable beam feature by gently rotating the bulb in its housing until the desired beam pattern is achieved.
Bulb does not fit into housing.	Incorrect bulb size; obstruction in housing.	Double-check that H13/9008 is the correct bulb size for your vehicle. Inspect the housing for any obstructions or debris. Some vehicles may require minor modifications or removal of backing plates as noted by some users.

For further assistance, please contact Firehawk customer support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Firehawk
Model Number	TE3-V49-H13
Bulb Type	H13/9008 LED
Specific Uses	Fog Light
Brightness	30000 Lumen (per pair)
Color Temperature	6000K Cool White
Operating Life	>50,000 Hours
Waterproof Rating	IP68
Operating Temperature	-45°F to 150°F
Features	Built-in Canbus Driver, 360° Adjustable Beam, Anti-radio interference, 1:1 Halogen Design, Plug and Play
Item Weight	10.2 ounces
Package Dimensions	7.2 x 4.76 x 2.05 inches
UPC	721545001184





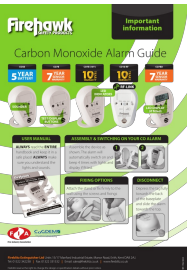
## 9. WARRANTY AND SUPPORT

Firehawk stands behind the quality of its products. While specific warranty terms are not detailed in this manual, Firehawk LED Bulbs are built for durability and longevity, with an expected lifespan of over 50,000 hours. For any questions regarding installation, operation, troubleshooting, or warranty claims, please contact Firehawk customer support directly. You can typically find contact information on the product packaging or through the seller's

storefront where the product was purchased (e.g., "Firehawk Tech" on Amazon).  
We are committed to providing excellent service and ensuring your satisfaction with Firehawk products.

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## Related Documents - H13/9008 (Model TE3-V49-H13)

	<p><a href="#">Firehawk CO5B/CO7B Carbon Monoxide Alarm User Manual</a></p> <p>Comprehensive user manual for the Firehawk CO5B, CO7B, and CO7BD battery-operated Carbon Monoxide alarms. Provides detailed information on installation, maintenance, alarm signals, understanding carbon monoxide, potential sources, and product warranty.</p>
	<p><a href="#">Firehawk Heat Alarm Installation and Maintenance Guide</a></p> <p>Comprehensive guide for installing and maintaining Firehawk FHH10 and FHH10-RF heat alarms, including placement, positioning, and care instructions from Fireblitz.</p>
	<p><a href="#">Firehawk Radio Linked Alarms: Pairing Instructions</a></p> <p>A step-by-step guide for pairing Firehawk radio-linked smoke, heat, and CO alarms. Learn how to connect, assemble, and test your interconnected alarm system for enhanced safety.</p>
	<p><a href="#">FireHawk Smoke Alarms: Mains Powered with Battery Backup - User Manual</a></p> <p>Comprehensive user manual for FireHawk mains-powered smoke and heat alarms (FHN250BB and FHN250RB). Covers product features, installation, maintenance, troubleshooting, and warranty information. Learn how to ensure optimal performance and safety with your FireHawk alarms.</p>
	<p><a href="#">Firehawk FHN600 Remote: User Manual and Safety Guide</a></p> <p>This document provides operating instructions, testing procedures, and safety information for the Firehawk FHN600 Remote, compatible with FHN250BB/RB and FHN450BB/RB smoke alarms. Includes important warnings about coin cell battery ingestion.</p>
	<p><a href="#">Firehawk Carbon Monoxide Alarm Guide: Installation, Usage &amp; Safety</a></p> <p>Comprehensive guide to Firehawk Carbon Monoxide Alarms (CO5B, CO7B, CO7B (10Y), CO10-RF, CO7BD), covering installation, features, positioning, testing, maintenance, and safety information. Provided by Fireblitz Extinguisher Ltd.</p>



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