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› [iJDMTOY](#) /

› iJDMTOY Spare Tire Lug Nut Insert LED 3rd Brake Light Kit for Jeep Wrangler Installation Manual

iJDMTOY B07ND3KK89

iJDMTOY Spare Tire Lug Nut Insert LED 3rd Brake Light Kit Installation Manual

Model: B07ND3KK89

[Contents](#) [Compatibility](#) [Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty](#)

[Introduction](#) [Safety Information](#) [Package](#) [& Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the iJDMTOY Spare Tire Lug Nut Insert LED 3rd Brake Light Kit. This product is designed to enhance the rear visibility and braking safety of your vehicle by providing additional brake lighting integrated into the spare tire's lug nut holes. Please read this manual thoroughly before installation to ensure proper function and safety.



The iJDMTOY Spare Tire Lug Nut Insert LED 3rd Brake Light Kit.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits and ensure reliable operation.
- Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation.
- If you are unfamiliar with automotive electrical systems or installation procedures, it is recommended to seek professional assistance.
- Do not modify the product in any way, as this may void the warranty and create safety hazards.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 2 x Red LED Lug Nut Insert Brake Lights (3-SMD LED diodes each)
- Wiring Harness
- Mounting Hardware (washers, etc.)



The two red LED lug nut insert brake lights and associated wiring.

4. VEHICLE COMPATIBILITY

This LED 3rd brake light kit is compatible with:

- Most Jeep Wrangler models (TJ, JK, JL) with a rear-mounted spare tire.
- Ford Bronco models with a rear-mounted spare tire.
- Toyota FJ Cruiser models with a rear-mounted spare tire.

This product is designed for vehicles where a large aftermarket spare tire might obstruct the factory high-mount third brake light.

5. INSTALLATION GUIDE

Follow these steps for proper installation:

1. **Prepare the Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Spare Tire:** Carefully remove the rear-mounted spare tire from its carrier.
3. **Insert LED Lights:** Take the red LED lights with their rubber bases. Insert them into two unoccupied lug holes on the

spare tire carrier. Ensure they fit snugly.

4. **Adjust for Wiring Clearance:** Add washers to the three stubs that support the spare tire. This will slightly raise the bottom surface of the tire, creating clearance for the wiring to prevent it from being pinched or damaged.
5. **Route Wiring:** Carefully route the wiring harness from the newly installed LED lights towards the existing high-mount 3rd brake light. Ensure the wiring is secured and away from moving parts or heat sources.
6. **Tap into 3rd Brake Light Power:** Identify the power and ground wires for your vehicle's existing high-mount 3rd brake light. Tap into these wires to provide power to the new LED lug nut lights. It is crucial to ensure correct polarity (positive to positive, negative to negative). Test the connection before making it permanent.
7. **Secure Wiring and Reinstall Tire:** Secure all wiring with zip ties or electrical tape. Reinstall the spare tire onto its carrier.
8. **Reconnect Battery and Test:** Reconnect the negative terminal of the vehicle's battery. Test the new LED brake lights by pressing the brake pedal. Ensure they illuminate correctly.



The LED lights inserted into the lug nut holes of a spare tire wheel.

Installation Video Guide

Your browser does not support the video tag.

Official iJDMTOY installation video for the Spare Tire Lug Nut Insert LED 3rd Brake Light Kit. This video demonstrates the process of installing the LED lights into the spare tire and connecting the wiring.

6. OPERATION

Once properly installed, the iJDMTOY Spare Tire Lug Nut Insert LED 3rd Brake Lights will operate in conjunction with your vehicle's existing brake light system. When the brake pedal is pressed, the LED lights will illuminate, providing an additional visual signal to drivers behind you. This enhances safety, especially when the primary high-mount third brake

light is obscured by an oversized spare tire.



The LED brake lights illuminated on a Jeep Wrangler's spare tire.

7. MAINTENANCE

- **Regular Inspection:** Periodically check the LED lights and wiring for any signs of damage, corrosion, or loose connections.
- **Cleaning:** Clean the lenses of the LED lights with a soft, damp cloth and mild soap if necessary. Avoid abrasive cleaners that could scratch the lens.
- **Wiring Integrity:** Ensure the wiring remains securely fastened and protected from environmental elements and potential abrasion.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not illuminate	Loose wiring connection Incorrect polarity Blown fuse in vehicle's brake light circuit Damaged LED unit	Check all wiring connections and ensure they are secure. Verify positive and negative connections. Some users report reversed wires; test before final connection. Inspect and replace the vehicle's brake light fuse if necessary. Contact customer support for replacement if unit is damaged.

Problem	Possible Cause	Solution
Lights are dim or flicker	Poor electrical connection Insufficient power supply Corrosion on terminals	Ensure all connections are clean and tight. Verify the power source is providing adequate voltage. Clean any corroded terminals.

9. SPECIFICATIONS

- **Brand:** iJDMTOY
- **Model Number:** B07ND3KK89
- **Light Source Type:** LED (3-SMD Diodes per light)
- **Lens Color:** Red
- **Light Color:** Red
- **Voltage:** 24 volts
- **Wattage:** 3 watts
- **Auto Part Position:** Rear
- **Lens Material:** Plastic
- **Unit Count:** 2 Count
- **Manufacturer Part Number:** 35-053-Red

10. WARRANTY AND SUPPORT

For detailed warranty information, product registration, or technical assistance, please visit the official iJDMTOY website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Website: www.ijdmtoy.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question