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## CarLights360 LS400

# Instruction Manual: Lexus LS400 Signal Light Assembly

Brand: CarLights360 | Model: LS400 | Part Number: LX2532101

## 1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your new CarLights360 Driver Side Signal Light Assembly, designed for 1998-2000 Lexus LS400 vehicles. Please read this manual thoroughly before proceeding with installation to ensure proper function and safety.

## 2. Product Features

- **Exact Fit:** Engineered to precisely match OEM specifications (OEM#: 81521-50060 and Partslink#: LX2532101).
- **Compliance:** Meets or exceeds DOT & SAE compliance standards for quality and safety.
- **Durability:** Constructed with a robust polycarbonate lens material for long-lasting performance.
- **Waterproof Design:** Features a waterproof construction to protect internal components from moisture and environmental elements.
- **Factory Sealed:** Product is brand new and factory sealed upon delivery.



Figure 2.1: Close-up of the signal light assembly, highlighting the clear outer lens and the amber internal reflector.

## 3. Specifications

| Attribute | Detail |
|---|---|
| Brand | CarLights360 |
| Model | LS400 |
| OEM Part Number | 81521-50060 |
| Partslink Number | LX2532101 |
| Position | Driver Side (Left) |
| Lens Color | Amber |
| Lens Material | Polycarbonate |

| Attribute | Detail |
|---|---|
| Item Weight | 1.1 pounds |
| Product Dimensions (L x W x H) | 10.38 x 7.99 x 4.06 inches |
| Safety Rating | DOT Certified |

## 4. Setup and Installation

Installation of automotive lighting components requires basic mechanical knowledge. If you are unsure about any steps, it is recommended to seek professional assistance from a qualified mechanic.

### 4.1 Package Contents

Your package contains one (1) CarLights360 Driver Side Signal Light Assembly. Please note that bulbs are sold separately and are not included with this assembly.

### 4.2 Installation Steps (General Guide)

1. **Safety First:** Ensure the vehicle is turned off, the parking brake is engaged, and the battery is disconnected before beginning any work.
2. **Access the Assembly:** Depending on your vehicle's design, you may need to remove fender liners, grille components, or other trim pieces to access the existing signal light assembly. Refer to your vehicle's specific service manual for detailed instructions.
3. **Disconnect Wiring:** Carefully disconnect the electrical connector(s) from the existing signal light assembly.
4. **Remove Old Assembly:** Unfasten any screws, clips, or bolts securing the old signal light assembly. Gently pull the assembly out from its mounting location.
5. **Install Bulbs (if applicable):** If your new assembly does not come with bulbs pre-installed, carefully insert the appropriate bulbs (sold separately) into the designated sockets on the new assembly. Avoid touching the glass of the bulbs with bare hands.
6. **Mount New Assembly:** Position the new CarLights360 signal light assembly into the opening. Ensure all mounting tabs and alignment pins are correctly seated. Secure it with the previously removed screws, clips, or bolts.
7. **Reconnect Wiring:** Reconnect the electrical connector(s) to the new assembly, ensuring a secure connection.
8. **Test Functionality:** Reconnect the vehicle's battery. Test the signal light function (turn signals, hazard lights) to ensure it operates correctly before reassembling any removed trim or panels.
9. **Final Assembly:** Reinstall any removed fender liners, grille components, or trim pieces.




Figure 4.1: Rear view of the signal light assembly, illustrating the bulb sockets and mounting tabs for installation.

### 4.3 Installation Video

Your browser does not support the video tag.

Video 4.1: An informational video demonstrating the CarLights360 signal light assembly for Lexus LS400, highlighting its compatibility and features relevant to installation.

## 5. Operating Instructions

The CarLights360 Signal Light Assembly operates in conjunction with your vehicle's existing turn signal and hazard warning systems. Once properly installed, it will function automatically when the corresponding controls inside your vehicle are activated. Ensure your vehicle's electrical system is in good working order for optimal performance.

## 6. Maintenance

To ensure the longevity and clear visibility of your signal light assembly, follow these simple maintenance guidelines:

- **Regular Cleaning:** Periodically clean the outer lens with a soft cloth and mild automotive soap to remove dirt, dust, and road grime. Avoid abrasive cleaners or harsh chemicals that could damage the polycarbonate material.
- **Inspect for Damage:** Routinely check the assembly for any signs of cracks, chips, or moisture intrusion. Address any damage promptly to prevent further issues.
- **Bulb Check:** If the signal light stops functioning, first check the bulb. Bulbs have a finite lifespan and may need replacement. Ensure the correct bulb type is used as specified by your vehicle manufacturer.

## 7. Troubleshooting

If you encounter issues with your signal light assembly, consider the following common troubleshooting steps:

- **Light Not Working:**
  - Verify the bulb is correctly installed and not burnt out.
  - Check the electrical connection to ensure it is secure and free of corrosion.
  - Inspect the vehicle's fuse box for a blown fuse related to the turn signals.
- **Poor Fitment:**
  - Ensure all mounting tabs and clips are properly aligned and engaged.
  - Confirm that no debris or obstructions are preventing the assembly from seating correctly.
  - Double-check that you have the correct part for your specific vehicle year and model.
- **Moisture Inside Lens:**
  - While the product is designed to be waterproof, extreme conditions or improper installation can sometimes lead to condensation. Ensure the rubber seal around the assembly is properly seated and not damaged.
  - If condensation persists, remove the assembly, allow it to dry thoroughly, and re-install, paying close attention to the seal.

If these steps do not resolve the issue, please contact customer support.

## 8. Safety Information and Legal Disclaimer

This product is an aftermarket replacement part. It is not an Original Equipment Manufacturer (OEM) part and is not manufactured or sold by the vehicle manufacturer. We are not affiliated with the vehicle manufacturer.

Always exercise caution when working on your vehicle. Wear appropriate personal protective equipment, such as gloves and eye protection. Ensure the vehicle is stable and secure before beginning any work. Improper installation can lead to vehicle damage or personal injury.

## 9. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the seller's policy on the platform where the product was purchased or visit the official CarLights360 store. You can find more products and information at the CarLights360 Store.

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