

Installation Manual for Rear License Plate Light Assembly

(OEM: 1449730-00-B) - For Tesla Model 3 / Model Y

1. Product Description

This rear license plate light assembly is a high-quality auto spare replacement part, designed to meet the original standard of Tesla Model 3 and Model Y vehicles. It matches the OEM part number 1449730-00-B, ensuring perfect compatibility with the vehicle's original electrical system and mounting structure. The assembly features a built-in high-brightness LED light source, providing clear and uniform illumination for the rear license plate, which is essential for driving safety and compliance with traffic regulations. Made of durable, weather-resistant materials, it is designed to withstand harsh environmental conditions such as rain, snow, and UV radiation, ensuring long-term reliable performance and direct replacement of the old, damaged, or malfunctioning original license plate light.

Key Features

- **OEM Compatibility:** Exact match with OEM part number 1449730-00-B, specifically designed for Tesla Model 3 and Model Y, ensuring seamless fit with the original vehicle's mounting points and electrical connectors.
- **Original Standard Quality:** Manufactured to meet Tesla's original specifications, ensuring consistent performance, brightness, and appearance with the factory-installed license plate light.
- **High-Brightness LED:** Built-in energy-saving LED light source, providing clear, uniform illumination for the rear license plate, enhancing visibility at night or in low-light conditions, and complying with traffic safety standards.
- **Durable Construction:** Made of high-quality ABS plastic housing and scratch-resistant lens, with IP65 waterproof rating, effectively resisting water, dust, UV radiation, and corrosion, suitable for long-term outdoor use.
- **Easy Direct Replacement:** No modification or special tools required, designed for plug-and-play installation, directly replacing the original license plate light assembly in minutes.
- **Reliable Performance:** Stable electrical connection, no flickering or failure, ensuring consistent illumination and long service life, reducing the need for frequent replacement.

Specifications

Item	Details
------	---------

Product Name	Rear License Plate Light Assembly
OEM Part Number	1449730-00-B
Compatible Models	Tesla Model 3, Tesla Model Y (all model years, compatible with original mounting and electrical system)
Material	ABS Plastic Housing + Scratch-Resistant Lens + LED Light Source
Function	Illuminates the rear license plate for visibility at night/low light, ensuring compliance with traffic regulations
Waterproof Rating	IP65 (dust-tight, protected against low-pressure water jets from any direction)
Package Includes	1 x Rear License Plate Light Assembly (single piece; Tesla Model 3/Y uses one license plate light assembly at the rear)

2. Installation Position

The rear license plate light assembly is installed at the rear of the vehicle, directly above the rear license plate, mounted on the trunk lid or rear bumper (depending on Tesla Model 3/Y configuration). It is aligned with the license plate to ensure uniform illumination of the entire license plate surface, and its mounting position is consistent with the original vehicle's factory-installed license plate light.

3. Installation Instructions

Tools Required (Not Included)

- Plastic pry tool (to remove the light assembly without scratching the vehicle)

body)

- Clean microfiber cloth
- Optional: Isopropyl alcohol (for cleaning the mounting area and electrical connector)

Pre-Installation Preparation

1. Park your Tesla Model 3/Model Y on a flat, level surface, turn off the vehicle, and ensure the trunk is fully open for easy access to the rear license plate area.
2. Turn off the vehicle's lights (including the parking lights) to avoid electrical short circuits during installation.
3. Clean the installation area: Use a microfiber cloth (and isopropyl alcohol if needed) to wipe the area above the rear license plate (where the light assembly is mounted) to remove dust, oil, and debris, ensuring a clean mounting surface.
4. Inspect the new license plate light assembly: Check that the assembly is intact, with no cracks, scratches, or damage to the housing or lens; confirm the electrical connector is intact and free of oxidation or damage.

Step-by-Step Installation

1. Remove the Old License Plate Light Assembly

- Locate the old license plate light assembly above the rear license plate. It is secured by clips or a small mounting screw (depending on the model).
- If secured by clips: Use a plastic pry tool to gently pry the edge of the light assembly from the mounting slot. Apply even force around the edges to avoid breaking the clips or scratching the vehicle body.
- If secured by a screw: Use a suitable screwdriver to remove the mounting screw, then gently pull the light assembly away from the mounting slot.
- Once the light assembly is loose, locate the electrical connector at the back of the assembly. Press the connector clip to release it, then disconnect the connector from the vehicle's wiring harness. Remove the old light assembly completely.

2. Install the New License Plate Light Assembly

- Take the new license plate light assembly and align its electrical connector with the vehicle's wiring harness connector. Push the connectors firmly together until you hear a clear "click" sound, ensuring a secure electrical connection.
- Align the new light assembly with the mounting slot above the license plate. Ensure the clips (or screw hole) on the assembly are aligned with the corresponding positions on the vehicle body.
- Press the light assembly firmly into the mounting slot until it clicks into place (if clip-mounted). If screw-mounted, reinstall the mounting screw and

tighten it securely (do not over-tighten to avoid damaging the assembly or vehicle body).

3. Post-Installation Test

- Close the trunk, then turn on the vehicle's parking lights or headlights to activate the rear license plate light.
- Check that the new light assembly illuminates normally—ensure the light is bright, uniform, and covers the entire license plate surface. No flickering or dark spots should be present.
- Turn off the lights, open the trunk again, and inspect the light assembly to ensure it is securely mounted, with no gaps or looseness. Check the electrical connector to confirm it is fully seated.

4. Important Precautions

- Always turn off the vehicle's lights before installation to avoid electrical short circuits, which may damage the new light assembly or the vehicle's electrical system.
- Use only a plastic pry tool when removing the old light assembly—metal tools may scratch the vehicle body, lens, or mounting slot.
- Ensure the electrical connector is fully seated and locked in place. A loose connection may cause the light to flicker, fail to illuminate, or trigger a vehicle error message.
- Do not over-tighten the mounting screw (if applicable), as this may crack the light assembly housing or damage the vehicle's mounting surface.
- Avoid touching the LED light source or the inner surface of the lens with bare hands—fingerprints, oil, or dirt will affect light output and may shorten the LED's service life.
- After installation, do not use high-pressure water to directly rinse the light assembly within 24 hours, as this may cause water to seep into the assembly and damage the electrical components.
- This product is a direct replacement for the original license plate light assembly; do not modify the assembly or the vehicle's wiring harness during installation, as this may affect performance and safety.
- If the light fails to illuminate after installation, first check the electrical connector to ensure it is properly connected. If the issue persists, contact customer service for technical support.

5. Maintenance & After-Sales Service

Daily Maintenance

- Regularly clean the lens of the license plate light with a soft, damp cloth to

remove dust, dirt, and insect residues, ensuring maximum light output and visibility.

- Do not use abrasive cleaners, gasoline, or harsh chemicals to clean the light assembly, as these may damage the housing, lens, or LED components.
- Periodically inspect the light assembly for signs of damage, water ingress, or loose connections. If any abnormalities are found, replace the assembly in a timely manner.

After-Sales Service

If you receive a damaged, defective product, or if the light assembly does not fit your Tesla Model 3/Model Y (after confirming compatibility), please contact our customer service team with your order information. We will provide professional technical support, replacement, or refund services according to our after-sales policy.

For any installation or usage questions, feel free to contact us—our team is ready to assist you.

Thank you for choosing our Rear License Plate Light Assembly! We are committed to providing high-quality OEM-standard replacement parts and excellent service to ensure your Tesla's safety and compliance with traffic regulations.