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> KEMIMOTO Motorcycle License Plate Bracket with LED Signal Light for Sportster S RH1250 User Manual

## KEMIMOTO F1808-01801

# KEMIMOTO Motorcycle License Plate Bracket with LED Signal Light for Sportster S RH1250 User Manual

Model: F1808-01801

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KEMIMOTO Motorcycle License Plate Bracket with integrated LED Signal Light. This fender eliminator kit is designed for specific Sportster S RH1250 models (2021-2025) to replace the factory license plate holder and enhance the motorcycle's rear aesthetics and visibility. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INFORMATION

- Always ensure the motorcycle is stable and turned off before beginning any installation or maintenance.
- Disconnect the battery before performing any electrical work to prevent short circuits or electrical shock.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Ensure all connections are secure and wires are routed away from moving parts or hot surfaces.
- If you are unsure about any step, consult a qualified motorcycle technician.
- Verify all lights function correctly after installation before riding.

## PACKAGE CONTENTS

Verify that all components listed below are present in your package:



## Product Information

- |                            |                             |
|----------------------------|-----------------------------|
| ① Tail Light x1            | ⑥ Bolt x2                   |
| ② Rack Holder x1           | ⑦ M5*L12 Cross Head Bolt x2 |
| ③ License Plate Bracket x1 | ⑧ M5 Flange Nut x4          |
| ④ Extension Plate x1       | ⑨ Zip Tie x5                |
| ⑤ M5 Square Head Bolt x2   | ⑩ L Wrench x1               |

*Image: All parts included in the KEMIMOTO Fender Eliminator Kit.*

1. Tail Light x1
2. Rack Holder x1
3. License Plate Bracket x1
4. Extension Plate x1
5. M5 Square Head Bolt x2
6. Bolt x2
7. M5\*L12 Cross Head Bolt x2

8. M5 Flange Nut x4
9. Zip Tie x5
10. L Wrench x1

## **SETUP AND INSTALLATION**

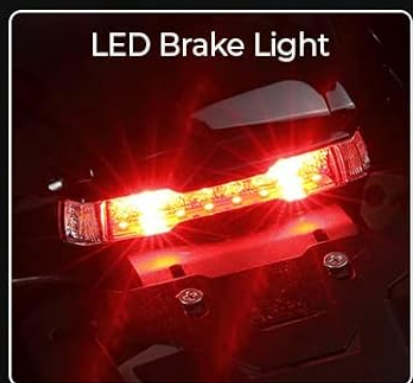
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This section outlines the steps to install the KEMIMOTO License Plate Bracket. Professional installation is recommended if you are not familiar with motorcycle electrical systems or component removal.

### **Overview of Installed Product**



## FENDER ELIMINATOR KIT LICENSE PLATE HOLDER BRACKET WITH LED LIGHT



*Image: The KEMIMOTO Fender Eliminator Kit mounted on a motorcycle, showing integrated LED turn signals and brake light.*

# CHANGES YOUR BIKE LOOK

This license plate bracket with LED light meets the design concept of lightness, simplicity and modernity. Help you get rid of bulky motorcycle tail.



*Image: Visual comparison of the motorcycle's rear fender before and after installation, demonstrating a cleaner appearance.*

## Installation Steps

1. **Prepare the Motorcycle:** Park the motorcycle on a stable surface. Turn off the engine and remove the key. Disconnect the negative terminal of the battery to prevent accidental electrical issues.
2. **Remove Original Components:** Carefully remove the existing license plate holder and any associated wiring.

Refer to your motorcycle's service manual for specific instructions on removing the rear fender and tail light assembly.

3. **Assemble the Bracket:** Attach the tail light to the rack holder, then secure the license plate bracket and extension plate using the provided M5 bolts and nuts. Ensure all connections are snug but do not overtighten.
4. **Mount the New Assembly:** Position the assembled KEMIMOTO bracket onto the motorcycle's rear fender area. Secure it using the appropriate bolts.
5. **Wire the LED Lights:** Connect the wiring of the new LED tail light and turn signals to the motorcycle's existing wiring harness. Match the wires according to their functions (e.g., brake, turn signal, ground). Use the provided zip ties to secure any loose wiring.
6. **Test Functionality:** Reconnect the motorcycle battery. Turn on the ignition and test the brake light, left turn signal, and right turn signal to ensure they are all functioning correctly.
7. **Final Check:** Ensure all bolts are tightened, and the bracket is securely mounted. Check for any obstructions or loose components.

## Installation Video Guide



*Video: This video provides a step-by-step guide on how to install the KEMIMOTO license plate bracket and LED light assembly on a Sportster S motorcycle. It covers the removal of original components and the mounting of the new kit.*



*Video: This tutorial video focuses on the electrical connection and installation of the LED signal and brake lights integrated into the KEMIMOTO license plate bracket. It demonstrates how to properly connect the wiring for functionality.*

## OPERATING INSTRUCTIONS

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The KEMIMOTO License Plate Bracket features integrated LED lights that serve multiple functions for enhanced visibility and safety.

- **Running Light:** When the motorcycle's ignition is on, the LED lights will illuminate as a running light, providing continuous rear visibility.
- **Brake Light:** When the brake lever or pedal is engaged, the LED lights will illuminate brighter to indicate braking.
- **Turn Signals:** Activating the left or right turn signal switch will cause the corresponding section of the LED light to flash, indicating your intended turn direction.



*Video: This video demonstrates the operational features of the KEMIMOTO LED taillight and turn signals, showing the brake light illumination and the sequential or flashing pattern of the turn signals.*

## MAINTENANCE

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Regular maintenance ensures the longevity and proper function of your license plate bracket and LED lights.

- **Cleaning:** Clean the bracket and LED lens regularly with a soft cloth and mild soap solution. Avoid abrasive cleaners that could scratch the surface or damage the LED housing.
- **Inspections:** Periodically check all mounting bolts for tightness. Vibrations from riding can cause fasteners to loosen over time.
- **Wiring:** Inspect wiring for any signs of wear, fraying, or damage. Ensure all electrical connections remain secure and free from corrosion.

- **LED Functionality:** Regularly test the running light, brake light, and turn signals to confirm they are all working correctly.

## TROUBLESHOOTING

If you encounter issues with your KEMIMOTO License Plate Bracket, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
LED lights not illuminating.	Loose or incorrect wiring connection; Blown fuse; Faulty LED unit.	Check all wiring connections for proper contact and polarity. Inspect the motorcycle's fuse box for a blown fuse and replace if necessary. If wiring and fuse are good, the LED unit may be faulty and require replacement.
Lights are dim or flickering.	Poor electrical ground; Loose connection; Low voltage.	Ensure the ground wire is securely connected to a clean, unpainted metal surface on the motorcycle frame. Check all connections for tightness. Verify the motorcycle's battery voltage is adequate.
Bracket feels loose after installation.	Mounting bolts not tightened sufficiently.	Re-tighten all mounting bolts to the recommended torque specifications. Apply thread-locking compound if desired for added security.
Turn signals flash too fast or too slow.	Incorrect load resistance for LED signals (hyper-flashing); Relay issue.	This kit is designed not to require a load equalizer. If hyper-flashing occurs, consult a motorcycle electrician to check the flasher relay or add appropriate load resistors.

## SPECIFICATIONS

Feature	Detail
Model Number	F1808-01801
Compatibility	Sportster S RH1250 (2021, 2022, 2023, 2024, 2025)
Material	Aluminum
Color	Black
Item Dimensions (L x W x H)	21.8 x 19 x 8.5 Centimetres
Item Weight	0.63 Kilograms
Lighting Type	Integrated LED (Running, Brake, Turn Signal)
Finish Type	Powder Coated



*Image: Key dimensions of the KEMIMOTO license plate bracket.*

## **WARRANTY AND SUPPORT**

KEMIMOTO products are manufactured to high-quality standards. For warranty information, technical support, or assistance with parts, please refer to the contact information provided with your purchase or visit the official KEMIMOTO

website. Keep your purchase receipt as proof of purchase for any warranty claims.

