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BSK BSCTL009-H

BSK Universal SMD LED Motorcycle Turn Signal Lights - Model BSCTL009-H Instruction Manual

1. INTRODUCTION

Thank you for choosing BSK Universal SMD LED Motorcycle Turn Signal Lights. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new turn signals. Please read this manual thoroughly before installation and retain it for future reference.

These turn signals feature advanced SMD LED technology, offering superior brightness, durability, and a long lifespan. Designed for universal fitment on DC 12V motorcycles, they enhance visibility and safety on the road.

PRODUCT DISPLAY

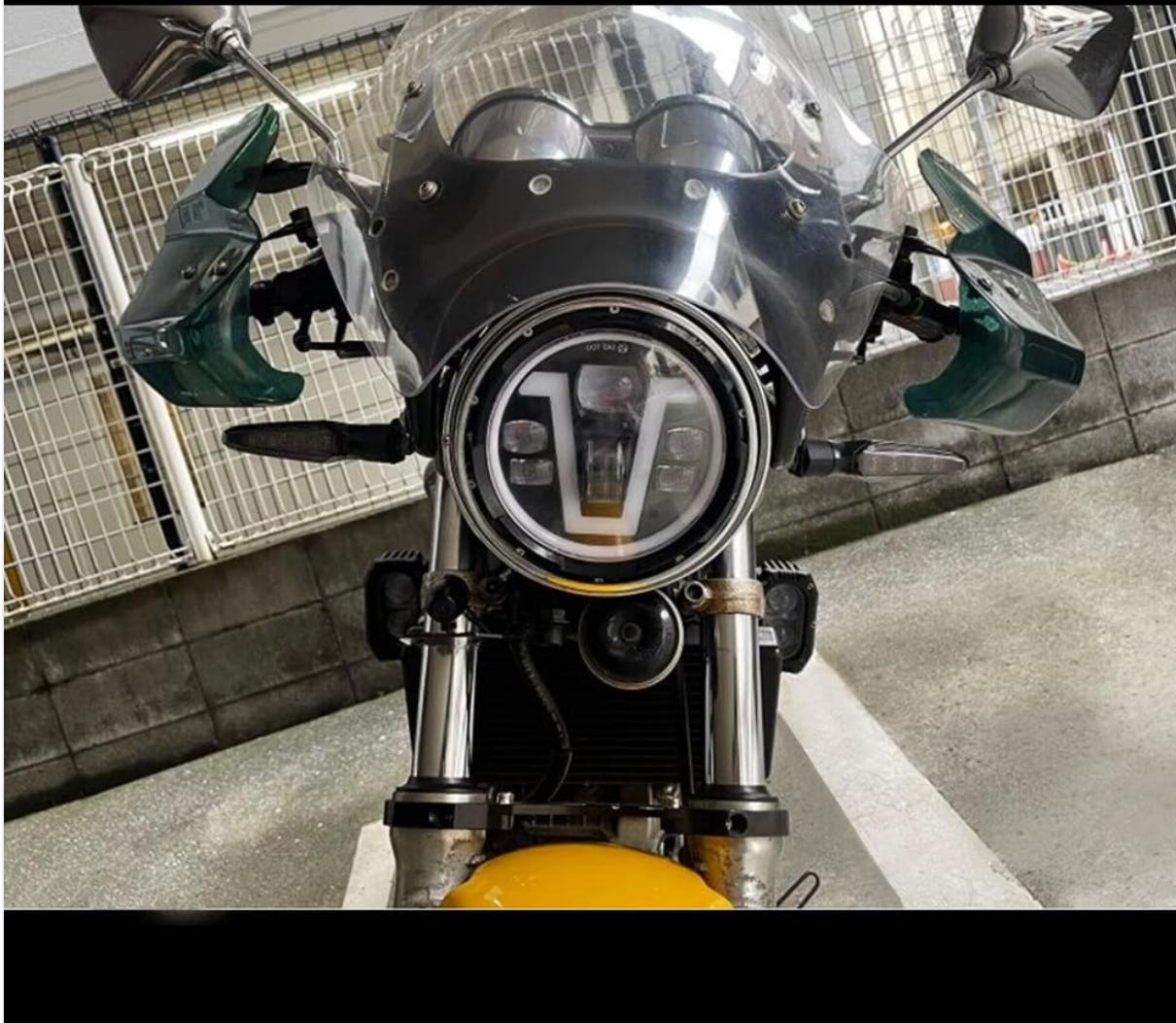


Figure 1: BSK Universal SMD LED Turn Signal Lights installed on a motorcycle.

2. PRODUCT FEATURES

- High Quality SMD LED Technology:** Ensures super bright illumination for enhanced riding safety.
- Durability:** Constructed for long-lasting performance with a lifespan exceeding 100,000 hours.
- Weather Resistance:** Waterproof, dustproof, and shock-resistant (IP67 rated) for reliable operation in various conditions.
- Fast Response Time:** Quicker on/off response compared to traditional incandescent bulbs.
- Universal Fitment:** Compatible with most DC 12V motorcycles and motorbikes.

3. SPECIFICATIONS

Specification	Value
Model Number	BSKTL009-H
Voltage	DC 12V

Lens Color	Clear
Bolt Size	10mm / 0.4 Inch
Operating Life	Over 100,000 Hours
Waterproof Rating	IP67
Wattage	3 Watts
Item Weight	15.3 ounces (approx.)
Package Dimensions	6.65 x 3.94 x 2.99 inches (approx.)

Product Parameter



* The size drawing has a slight error, please refer to the actual product

Figure 2: Product dimensions and parameters.

4. PACKAGE CONTENTS

Each package includes:

- 2 Pair (4 units) BSK Universal SMD LED Turn Signal Lights

5. INSTALLATION GUIDE

These turn signals are designed for easy installation, but professional installation is recommended if you are unfamiliar with motorcycle electrical systems. No specific instruction manual is included with the product, but general wiring guidelines are provided below.

Wiring Connections:

- **Green Wire:** Connect to Negative (-)
- **Orange Wire:** Connect to Left Turn Signal (+)
- **Blue Wire:** Connect to Right Turn Signal (+)

Ensure all connections are secure and insulated to prevent short circuits. For optimal performance and to prevent hyper-flashing (rapid blinking), an electronic LED flasher relay may be required, especially if replacing incandescent bulbs.

General Installation Steps:

1. Disconnect the motorcycle's battery to prevent electrical hazards.
2. Remove existing turn signals (if applicable).
3. Mount the new BSK LED turn signals using the 10mm bolt. Ensure they are securely fastened.
4. Connect the wires according to the wiring diagram above.
5. Reconnect the battery and test the turn signals.

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Video 1: Demonstration of LED turn signal light operation and waterproof test.

6. OPERATING INSTRUCTIONS

Once properly installed, the BSK Universal SMD LED Turn Signal Lights operate like standard motorcycle turn signals. Activate your motorcycle's turn signal switch to engage the lights. The SMD LEDs will illuminate brightly, providing clear indication to other road users.



Figure 3: Bright amber lighting effect of the turn signal.

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Video 2: Demonstration of the LED lighting effect.

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Video 3: Demonstration of sequential flowing turn signal.

7. MAINTENANCE

The BSK LED Turn Signal Lights require minimal maintenance. Due to their waterproof and dustproof design, they are built to withstand various environmental conditions.

- **Cleaning:** Periodically wipe the lenses with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners that could scratch the lens.
- **Inspection:** Regularly check the wiring connections for any signs of wear, corrosion, or looseness. Ensure the mounting bolts remain tight.
- **Damage:** If the housing or lens becomes damaged, consider replacing the unit to maintain optimal visibility and weather resistance.

8. TROUBLESHOOTING

If you encounter issues with your BSK LED Turn Signal Lights, refer to the following common problems and solutions:

- **Lights not illuminating:**

- Check all wiring connections for proper contact and ensure they are not loose or corroded.
- Verify that the motorcycle's power supply (12V DC) is reaching the turn signals.
- Inspect the motorcycle's fuse box for any blown fuses related to the turn signal circuit.

- **Lights blinking too fast (hyper-flashing):**

- This is common when replacing incandescent bulbs with LED lights due to lower power draw. An electronic LED flasher relay is typically required to correct the blink rate.
- Alternatively, load resistors can be installed in parallel with each LED turn signal, but a flasher relay is generally preferred for simplicity and efficiency.

- **Lights blinking too slow or not at all:**

- Ensure the correct flasher relay is installed. If an LED flasher relay is already in place, verify it is functioning correctly.
- Check for poor ground connections.

9. WARRANTY INFORMATION

BSK provides a **1-year warranty** for this product from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage resulting from improper installation, misuse, accidents, or unauthorized modifications.

10. CUSTOMER SUPPORT

We are committed to providing our customers with high-quality products. If you experience any issues with your BSK Universal SMD LED Turn Signal Lights or have questions not covered in this manual, please do not hesitate to contact us. We will respond as soon as possible to assist you.

Please refer to your purchase platform or product packaging for specific contact details.