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Anki HappiGo 8542088125

Anki HappiGo 40 LED Motorcycle Tail Light User Manual

Model: 8542088125

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Anki HappiGo 40 LED Motorcycle Tail Light. This product is designed to enhance visibility and safety on your motorcycle by integrating brake, running, and turn signal functions, along with a license plate bracket. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image: The Anki HappiGo 40 LED Motorcycle Tail Light, featuring dual LED clusters and an integrated license plate mounting bracket.

Safety Information

- Always disconnect the motorcycle's battery before performing any electrical work to prevent short circuits or electrical shock.
- Professional installation is recommended for optimal performance and safety.
- Ensure all connections are secure and properly insulated to prevent moisture ingress and corrosion.
- Verify local regulations regarding motorcycle lighting before installation and use.
- Do not modify the product. Unauthorized modifications may compromise safety and void the warranty.

Specifications

Model Number	8542088125
Voltage	DC 12V
Power	40W (1W/LED)
Number of LEDs	24 Red, 12 Amber, 4 White
Lens Color	Smoked
Bracket Color	Black
Material	LED, Metal License Plate Bracket, PC Lens
Cable Length	31 cm
Weight	380 g
Dimensions	Refer to dimension diagram for detailed measurements.



Image: Detailed dimensions of the Anki HappiGo 40 LED Motorcycle Tail Light and its license plate bracket.

Package Contents

The package includes the following items:

- 1 x Anki HappiGo 40 LED Motorcycle Tail Light with Integrated License Plate Bracket

Installation Instructions

1. Pre-Installation Check

- Ensure the motorcycle's ignition is off and the battery is disconnected.
- Confirm the product's compatibility with your motorcycle model. Minor modifications may be required for some models.
- Gather necessary tools: screwdrivers, wire strippers, crimpers, electrical tape, and a multimeter.

2. Mounting the Tail Light

1. Remove your existing tail light and license plate bracket, if applicable.
2. Position the Anki HappiGo tail light and its integrated bracket in the desired location on your motorcycle's rear fender.
3. Secure the bracket using appropriate bolts and nuts. The tail light bolt diameter is 4mm, and the license plate bracket bolt diameter is 6mm. Ensure all fasteners are tightened securely.
4. Mount your license plate to the integrated bracket.



Image: The Anki HappiGo 40 LED Motorcycle Tail Light installed on the rear of a motorcycle, demonstrating its appearance.

3. Wiring Connections

The tail light features a 5-wire connection system. Carefully identify the corresponding wires on your motorcycle's wiring harness.

- **Black Wire:** Connect to the motorcycle's **Negative (-)** terminal.
- **Red Wire:** Connect to the motorcycle's **Brake Light (+)** wire.
- **Yellow Wire:** Connect to the motorcycle's **Running Light (+)** wire. This also powers the license plate light.
- **Blue Wire:** Connect to the motorcycle's **Left Turn Signal (+)** wire.
- **Orange Wire:** Connect to the motorcycle's **Right Turn Signal (+)** wire.

After making connections, ensure they are secure and insulated using electrical tape or heat shrink tubing to prevent short circuits and water damage.

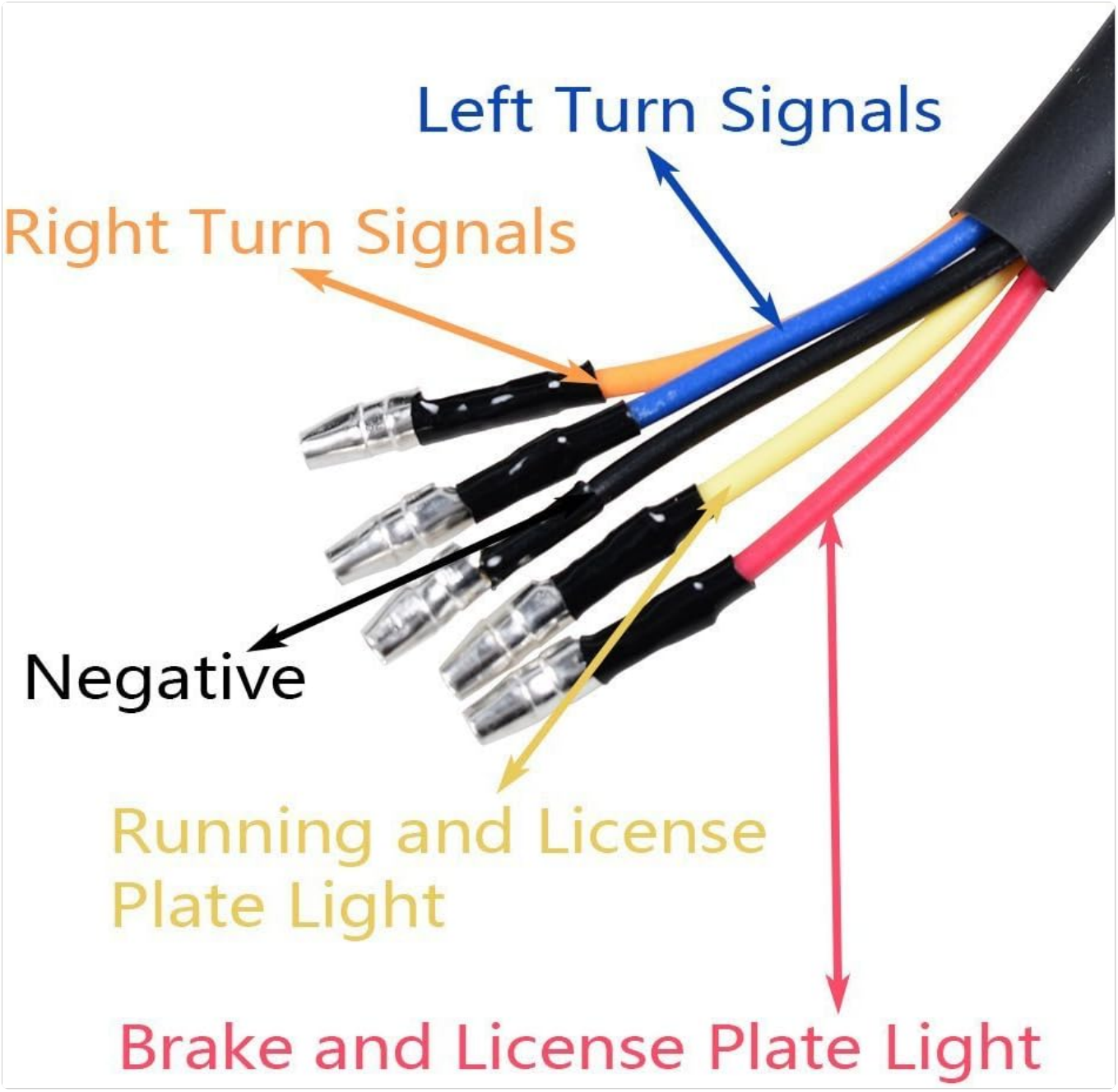

Image: A detailed diagram illustrating the 5-wire connection system for the tail light, showing the color codes and their functions.

Operation

Once properly installed and wired, the Anki HappiGo 40 LED Motorcycle Tail Light operates as follows:

- **Running Light:** When the motorcycle's ignition is on and headlights are activated, the yellow wire connection will illuminate the running lights and the license plate light.
- **Brake Light:** Applying the motorcycle's brakes will activate the brighter brake light function via the red wire connection.
- **Turn Signals:** Activating the left or right turn signal on your motorcycle will cause the corresponding amber LEDs (connected via blue or orange wires) to flash.



Image: The Anki HappiGo 40 LED Motorcycle Tail Light displaying its running light, brake light, and turn signal functions.

Maintenance

- **Cleaning:** Clean the lens and housing periodically with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the plastic lens.
- **Connection Check:** Periodically inspect all wiring connections for tightness and signs of corrosion or wear. Re-secure or re-insulate as needed.
- **Mounting Security:** Check the mounting bolts and nuts regularly to ensure they remain tight and secure, especially after riding on rough terrain.
- **LED Longevity:** LED lights are designed for long life and typically do not require replacement. If individual LEDs fail, the entire unit may need to be replaced.

Troubleshooting

Problem	Possible Cause	Solution

Light does not illuminate.	No power, loose connection, incorrect wiring, blown fuse.	Check all wiring connections for tightness and correct polarity. Verify the motorcycle's fuse for the tail light circuit. Use a multimeter to check for 12V DC power at the light's input wires.
Brake light or turn signals not working.	Incorrect wiring for specific function, faulty switch on motorcycle.	Review the wiring diagram and ensure the red, blue, and orange wires are connected to the correct corresponding functions on the motorcycle. Test the motorcycle's brake and turn signal switches.
Lights are dim or flickering.	Poor ground connection, insufficient power, loose wiring.	Ensure the black ground wire has a solid connection to the motorcycle's chassis. Check for any loose or corroded connections. Verify the motorcycle's charging system is functioning correctly.
Turn signals flash too fast or too slow.	LED turn signals require a different flash rate than incandescent bulbs.	This is common when upgrading to LED turn signals. An LED flasher relay or load resistors may be required (not included) to correct the flash rate. Consult a motorcycle electrical specialist if unsure.

Warranty and Support

For warranty information or technical support, please contact Anki HappiGo customer service through your original point of purchase. Please have your model number (8542088125) and purchase date available when contacting support.

Professional installation is recommended. The manufacturer is not responsible for damages caused by improper installation or misuse of the product.

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