Kyglaring bf21b7c7-ba80-4613-81ed-fa7772c3cc6b

Kyglaring LED Lighting Kit for 1989 Batwing (Lego 76161) - RC Version

Instruction Manual

1. INTRODUCTION

This manual provides instructions for the Kyglaring LED Lighting Kit, RC Version, designed to enhance the Lego 76161 1989 Batwing building set. This kit adds illumination to your model, featuring remote control functionality for various lighting modes. The Lego model itself is not included with this lighting kit.

Image 1.1: The Kyglaring LED Lighting Kit installed on the 1989 Batwing model, showcasing the illuminated features.

2. SAFETY INFORMATION

- **Small Parts Warning:** This product contains small parts and is not suitable for children under 3 years old due to choking hazards.

- **Electrical Safety:** Ensure all connections are secure and correctly oriented. Do not short-circuit the wiring. Use only the specified power source.

- **Battery Handling:** The remote control requires 1 CR123A battery (included). Follow proper battery installation and disposal guidelines. Do not mix old and new batteries, or different types of batteries.

- **Installation Environment:** Perform installation in a well-lit area with sufficient space.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation. The RC Version lighting kit typically includes:

- LED light strings and individual LEDs

- Connection cables and expansion boards

- Battery box or USB power cable

- Remote control unit

- Adhesive pads or mounting accessories

- Detailed installation instructions (separate document, often digital)

- 1 CR123A battery for the remote control

4. SETUP GUIDE

Installation of the lighting kit requires careful handling and integration with your existing Lego 76161 model. Refer to the specific, detailed installation guide provided by Kyglaring for step-by-step visual instructions. The general process involves:

1. **Preparation:** Ensure your Lego 76161 model is fully assembled. Identify the areas where lights will be installed as indicated in the detailed guide.

2. **Disassembly (Partial):** Carefully disassemble small sections of your Lego model as required to route wires and place LEDs. This often involves removing plates or bricks to access internal structures.

3. **LED Placement:** Insert the small LED lights into designated positions. Ensure wires are routed neatly and are not pinched by Lego bricks.

4. **Connecting Components:** Connect the LED light strings and individual LEDs to the expansion boards. Pay attention to the correct polarity and port assignments.

5. **Power Connection:** Connect the expansion boards to the power source (e.g., battery box or USB cable).

6. **Testing:** Before fully reassembling the model, connect the power and test all lights to ensure they function correctly.

7. **Reassembly:** Carefully reassemble the Lego model, ensuring all wires are tucked away and not visible or damaged.
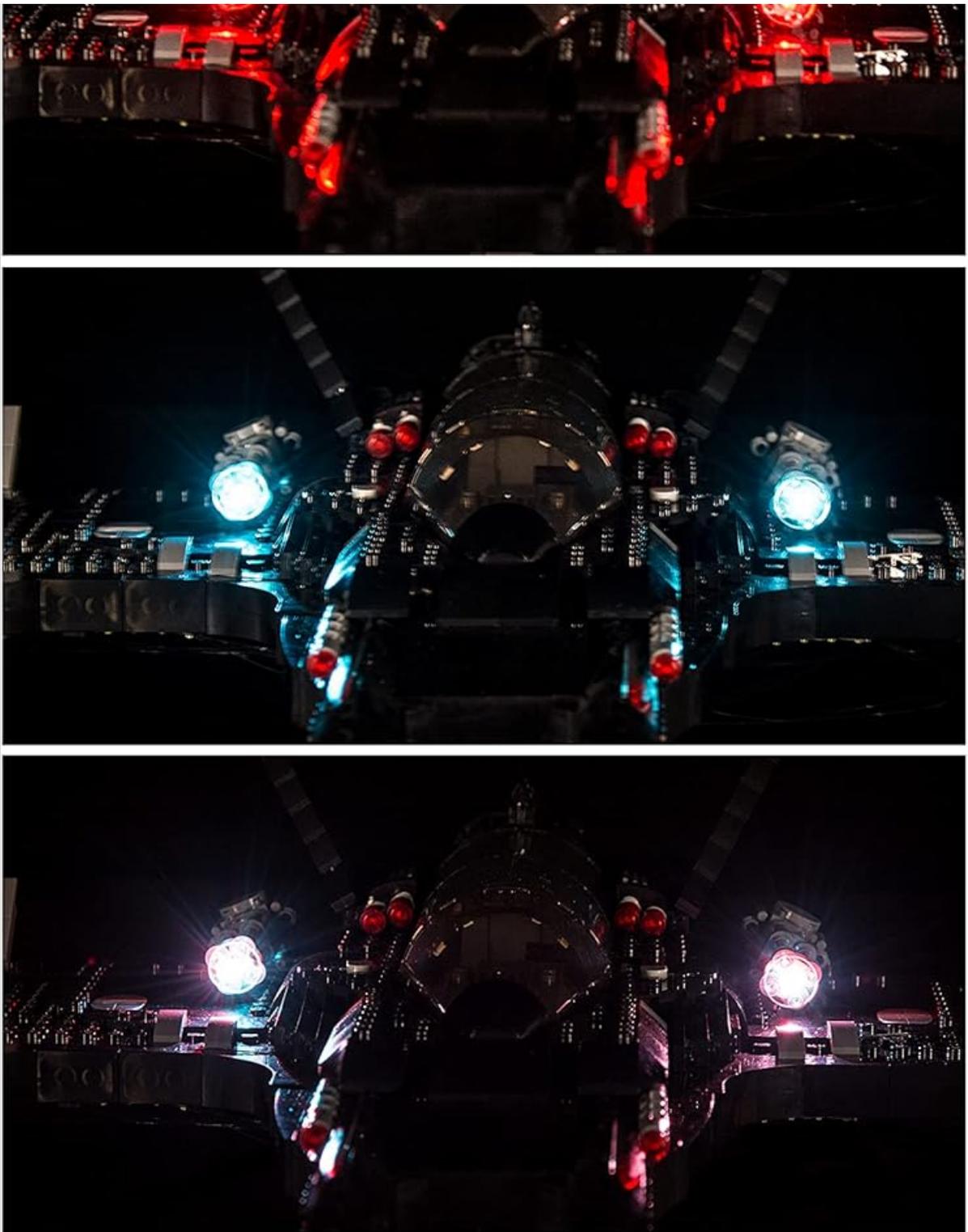
Image 4.1: Detailed views of the lighting kit's effects on different parts of the model.

5. OPERATING THE RC VERSION

The RC Version of the Kyglaring LED Lighting Kit includes a remote control for convenient operation and adjustment of lighting effects.

5.1 Remote Control Battery Installation

1. Locate the battery compartment on the back of the remote control.
2. Open the compartment cover.
3. Insert one CR123A battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Basic Functions

- **Power On/Off:** Press the **ON/OFF** button to activate or deactivate the lighting kit.
- **Brightness Adjustment:** Use the **Brightness +** and **Brightness -** buttons to increase or decrease the light intensity.
- **Mode Selection:** Cycle through various lighting modes (e.g., steady on, flashing, pulsing) using the **MODE** button.
- **Speed Adjustment:** For dynamic modes, use the **Speed +** and **Speed -** buttons to adjust the effect speed.

Point the remote control directly at the receiver unit on your model for optimal response.

6. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to gently wipe dust from the LED lights and wires. Avoid using liquids or abrasive cleaners.
- **Wire Management:** Periodically check that all wires are securely in place and not exposed to excessive tension or friction.
- **Battery Replacement:** If the remote control or battery box (if applicable) shows signs of weak power (e.g., dim lights, unresponsive remote), replace the batteries with new ones of the correct type.
- **Storage:** When not in use for extended periods, disconnect the power source to conserve battery life. Store the model and lighting kit in a cool, dry place away from direct sunlight.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, incorrect battery installation.	Check power source connection. Ensure batteries are correctly inserted and charged. Verify all wire connections are secure.
Some lights are dim or flickering.	Low battery power, faulty LED, loose wire.	Replace batteries. Check individual LED connections. Inspect wires for damage.
Remote control is unresponsive.	Remote battery depleted, obstruction, receiver issue.	Replace the CR123A battery in the remote. Ensure no obstructions between remote and receiver. Verify receiver is properly connected.
Lights are not changing modes.	Remote control issue, receiver issue.	Ensure remote battery is fresh. Try resetting the power to the lighting kit.

8. PRODUCT SPECIFICATIONS

- **Brand:** Kyglaring
- **Model:** bf21b7c7-ba80-4613-81ed-fa7772c3cc6b (RC Version)
- **Compatible Model:** Lego 76161 1989 Batwing
- **Material:** Plastic
- **Light Source Type:** Light Emitting Diode (LED)
- **Power Source:** Battery Powered

- **Remote Control Battery:** 1 CR123A (included)
- **Bulb Features:** Remote Control, Adjustable Modes
- **Recommended Age:** 14 years and up

9. WARRANTY AND CUSTOMER SUPPORT

Kyglaring is committed to providing high-quality products and customer satisfaction. If you encounter any issues during the installation or operation of your lighting kit, or if you have questions regarding product functionality, please contact Kyglaring customer support.

For assistance, please refer to the contact information provided with your product packaging or visit the official Kyglaring website. Our support team is available to help resolve problems and provide detailed guidance.