

Piko 36138

Piko 36138 G Scale Interior Light, Reko Combine - Instruction Manual

Model: 36138

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Piko 36138 G Scale Interior Light for Reko Combine model train cars. Please read this manual thoroughly before installation to ensure proper function and safety.

SAFETY INFORMATION

- Always disconnect power to your model railway system before installing or performing maintenance on the interior light.
- This product is intended for users aged 14 years and older. Keep out of reach of small children due to small parts.
- Do not expose the components to moisture or extreme temperatures.
- Handle electronic components with care to avoid damage from static electricity.

PACKAGE CONTENTS

Please verify that all components listed below are present in your package:



Figure 1: All components included in the Piko 36138 G Scale Interior Light kit. This includes three main circuit boards (labeled "PLATINE 1", "PLATINE 2", "PLATINE 3"), a smaller board ("PLATINE 4"), various connecting wires, four small screws, and four flat, orange conductive strips.

- 1x Main Circuit Board (PLATINE 1 / board 1)
- 1x Intermediate Circuit Board (PLATINE 2 / board 2)
- 1x End Circuit Board (PLATINE 3 / board 3)
- 1x Small Auxiliary Board (PLATINE 4 / board 4)
- 2x Long Connection Wires with Connectors
- 2x Short Connection Wires with Connectors
- 4x Mounting Screws
- 4x Conductive Strips

SETUP AND INSTALLATION

Follow these steps to install the interior light in your Reko Combine model train car:

1. **Prepare the Car:** Carefully open your Reko Combine model train car according to its specific manufacturer's instructions to access the interior. Ensure the car is clean and free of debris.
2. **Install Conductive Strips:** Attach the four conductive strips to the designated areas on the underside of the car's roof or floor, depending on the car's design, to make contact with the track power pickups.
3. **Mount Circuit Boards:**
 - Position PLATINE 1 (board 1) at one end of the car's interior. This board typically handles power input and initial distribution.
 - Position PLATINE 2 (board 2) in the middle section.
 - Position PLATINE 3 (board 3) at the opposite end.
 - Secure the boards using the provided mounting screws in the pre-drilled holes, if available, or with appropriate adhesive if screws are not suitable for your car's interior.
4. **Connect Boards:** Use the short connection wires to link PLATINE 1 to PLATINE 2, and PLATINE 2 to PLATINE 3. Ensure the connectors are firmly seated.
5. **Connect Auxiliary Board (PLATINE 4):** Connect PLATINE 4 (board 4) to the main lighting circuit,

typically to PLATINE 1 or PLATINE 2, as indicated by the labels on the boards (e.g., "PLATINE 4" connection point). This board may handle specific functions or additional lighting elements.

- 6. Connect to Track Power:** Use the long connection wires to connect the "DIGITAL GLEIS RECHTS / track right" and "DIGITAL GLEIS LINKS / track left" terminals on PLATINE 1 to the corresponding power pickups from the track. For analog operation, these terminals also serve as power input.
- 7. Function Contact (Optional):** If your model car supports a function decoder or additional functions, connect the "FUNKTIONSAUSGANG / function contact" terminal on PLATINE 1 to the appropriate output on your decoder.
- 8. Test Installation:** Before reassembling the car, carefully place it on the track and apply power to test the interior light. Ensure all sections illuminate correctly.
- 9. Reassemble Car:** Once satisfied with the installation and functionality, carefully reassemble your Reko Combine model train car.

OPERATING INSTRUCTIONS

The Piko 36138 G Scale Interior Light is designed to illuminate when power is supplied to the track. Its operation is directly tied to the power status of your model railway system.

- Analog Operation:** The light will illuminate as soon as sufficient voltage is applied to the track. The brightness may vary with track voltage.
- Digital Operation:** The light will illuminate when the track is powered by a digital command station. If connected to a function output of a decoder, the light can be switched on/off via your digital controller. Refer to your decoder's manual for specific function mapping.

MAINTENANCE

The Piko 36138 G Scale Interior Light requires minimal maintenance. Follow these guidelines to ensure longevity:

- Cleaning:** Gently wipe the circuit boards and LEDs with a soft, dry, lint-free cloth if dust accumulates. Do not use liquid cleaners or abrasive materials.
- Handling:** Avoid touching the LED components directly. Handle the circuit boards by their edges.
- Storage:** When not in use, store the model car in a dry, dust-free environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not illuminate.	- No power to track. - Loose or incorrect wiring connections. - Damaged component. - Incorrect decoder function setting (digital).	- Verify track power. - Check all wire connections and ensure they are secure and correctly oriented. - Inspect boards for visible damage. - Verify decoder settings and function mapping.

Problem	Possible Cause	Solution
Light flickers or is dim.	◦ Poor contact with track pickups. ◦ Insufficient power supply. ◦ Dirty track or wheels.	◦ Ensure conductive strips make firm contact. ◦ Check power supply unit. ◦ Clean track and car wheels thoroughly.

SPECIFICATIONS

Feature	Detail
Model Number	36138
Scale	G Scale
Product Type	Interior Light for Reko Combine
Manufacturer	Piko
Recommended Age	14 years and up
ASIN	B00TK0F5G0

WARRANTY AND SUPPORT

Piko products are manufactured to high quality standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official Piko website. For technical support or inquiries regarding this product, please contact Piko customer service directly.

Note: Keep your proof of purchase for warranty claims.