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Kato 3047-2

Kato 3047-2 Electric Locomotive EF66 Late Stage Instruction Manual

Model: 3047-2 | Brand: Kato

INTRODUCTION

Thank you for purchasing the Kato 3047-2 Electric Locomotive EF66 Late Stage. This model is a detailed replica intended for hobbyists and collectors aged 8 years and older. It is not a toy. This manual provides essential information for the proper setup, operation, and maintenance of your locomotive to ensure optimal performance and longevity.

The EF66 Late Stage model accurately represents the prototype, featuring selectable license plate settings (43, 46, 47, 54) and quick head marks such as "Asaka" and "Hayabusa".

PRODUCT OVERVIEW

The Kato 3047-2 is a highly detailed N-scale (1:160) electric locomotive model, designed for use on model railway layouts. Key features include:

- **Scale:** N-scale (1:160)
- **Headlight:** Functional headlights for realistic operation.
- **Flywheel Mounted Motor:** Ensures smooth and consistent running performance.
- **Detailed Design:** Accurate representation of the EF66 Late Stage prototype.



Image: Kato 3047-2 Electric Locomotive EF66 Late Stage. This image displays the detailed exterior of the model locomotive, highlighting its realistic design and features.

SETUP

1. **Unpacking:** Carefully remove the locomotive from its packaging. Retain the packaging for future storage or transport.
2. **Track Placement:** Place the locomotive gently onto a clean, electrified N-scale track. Ensure all wheels are properly seated on the rails.
3. **Power Connection:** Connect your model railway power pack (controller) to the track as per its own instructions. Ensure the power pack is set to the correct voltage and direction for N-scale models.
4. **Inspection:** Before applying power, visually inspect the locomotive for any loose parts or obstructions.

OPERATING INSTRUCTIONS

Operating your Kato EF66 locomotive is straightforward. Always ensure your track is clean and free of debris for optimal performance.

1. **Power On:** Turn on your model railway power pack.
2. **Direction Control:** Use the direction switch on your power pack to select forward or reverse.
3. **Speed Control:** Slowly increase the throttle on your power pack. The locomotive should begin to move smoothly. Avoid sudden acceleration or deceleration.
4. **Headlights:** The headlights will illuminate automatically when power is applied and the locomotive is moving in the forward direction. They may also illuminate in reverse depending on the model's specific wiring and the power pack's capabilities.
5. **Stopping:** Gradually reduce the throttle to bring the locomotive to a smooth stop.

Note: For best performance, allow the locomotive to run for a short period at moderate speed in both directions during its initial use to break in the motor and gears.

MAINTENANCE

Regular maintenance will prolong the life and performance of your Kato EF66 locomotive.

- **Cleaning Wheels and Track:** Dust and dirt can accumulate on wheels and tracks, affecting electrical pickup and running performance. Use a soft, lint-free cloth or a specialized track cleaning tool to keep both clean.
- **Lubrication:** Periodically, apply a small amount of specialized model train lubricant to the moving parts, such as gear shafts and axle bearings. Refer to Kato's official maintenance guides for specific lubrication points and recommended lubricants. *Do not over-lubricate.*
- **Body Cleaning:** Use a soft brush or cloth to gently remove dust from the locomotive body. Avoid harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the locomotive in its original packaging or a protective case, away from direct sunlight, dust, and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Locomotive does not move.	No power to track; dirty track/wheels; locomotive not seated properly; faulty power pack.	Check power pack connection and function. Clean track and wheels. Ensure locomotive is correctly on rails.
Locomotive runs erratically or stalls.	Dirty track/wheels; poor electrical contact; track unevenness.	Clean track and wheels thoroughly. Inspect track joints for good connection. Ensure track is level.
Headlights do not work.	No power; bulb failure; wiring issue.	Verify locomotive is receiving power. If problem persists, contact Kato support for bulb replacement or repair.
Unusual noise during operation.	Lack of lubrication; foreign object in mechanism; damaged gears.	Apply appropriate lubricant. Inspect for debris. If noise persists, discontinue use and seek professional service.

SPECIFICATIONS

- **Model Number:** 3047-2
- **Brand:** Kato
- **Product Dimensions:** 7.6 x 1.73 x 1.14 inches
- **Item Weight:** 5.3 ounces
- **Scale:** N-scale (1:160)
- **Manufacturer:** Kato USA, Inc.
- **Recommended Age:** 8 years and up (This is a model, not a toy)

WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or visit the official Kato USA, Inc. website. For technical support, parts, or service inquiries, please contact Kato USA, Inc. directly through their official channels.

Always ensure you have your model number (3047-2) and proof of purchase available when contacting support.