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Kato 10-1965

Kato N Gauge 87 Series Twilight Express Mizukaze Basic Set (Model 10-1965) Instruction Manual

Model Number: 10-1965

Introduction

This manual provides essential information for the setup, operation, and maintenance of your Kato N Gauge 87 Series Twilight Express Mizukaze Basic Set. This highly detailed model train set accurately reproduces the distinctive features of the 87 Series Twilight Express Mizukaze, including its heavy body shape, observation deck, and large open side windows. Please read these instructions carefully to ensure proper enjoyment and longevity of your model.

Product Overview

The Kato N Gauge 87 Series Twilight Express Mizukaze Basic Set is a precision railroad model designed for enthusiasts. Key features include:

- **Detailed Reproduction:** Mimics the heavy body shape with bright lines, observation deck, and large open side window arrangement.
- **Interior Details:** Perfectly reproduces various rooms through the windows, such as the observation room, lounge, or suite. Unique printed patterns are on the wagon kitchen walls.
- **Functional Lighting:** Features front/rear lights and a marker light at the top of the observation deck that illuminates backward.
- **Smooth Operation:** Equipped with a slotless motor for a smooth and quiet ride.
- **Coupling System:** Includes dummy couplers on both ends (deck-mounted) and intermediate body-mounted couplers with a safety hook.
- **DCC Compatibility:** Suitable for Digital Command Control (DCC) systems.



Image: The Kato N Gauge 87 Series Twilight Express Mizukaze model train running on a track alongside a scenic coastline, showcasing its detailed design and operational capabilities.

Setup

1. **Unpacking:** Carefully remove the train cars from their packaging. The set comes in a book-case designed with the image of the real car.



Image: The four train cars of the Kato N Gauge 87 Series Twilight Express Mizukaze Basic Set, securely nestled in their protective foam packaging.

2. **Track Placement:** Place the train cars onto a compatible N Gauge railway track system. Ensure all wheels are properly seated on the rails.
3. **Connecting Cars:** Connect the individual train cars using the provided intermediate body-mounted couplers with safety hooks. The set includes dummy couplers on both ends of the train.

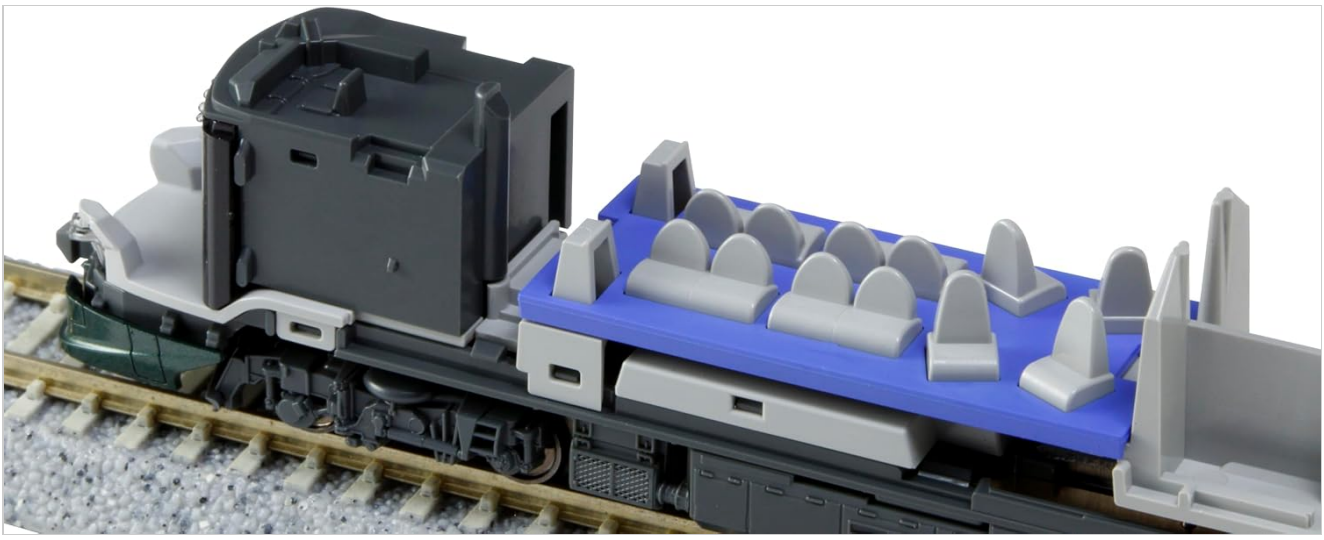


Image: A detailed side view of one of the train cars (Car 4) from the Kato N Gauge 87 Series Twilight Express Mizukaze set, illustrating its design and how it sits on the track.

4. **Power Connection:** Connect your N Gauge track system to a suitable power source (sold separately). This model uses a rail feeding system and does not require batteries for driving, lighting, or turning on.
5. **Interior Lighting:** The set comes installed with dedicated interior lighting. For additional interior lighting, a built-in indoor light unit can be purchased separately.

Operating Instructions

1. **Power On:** Once the train is correctly placed on the track and the power source is connected, turn on the power to the track.
2. **Controlling Movement:** Use your N Gauge controller to adjust the speed and direction of the train. The slotless motor ensures smooth and quiet operation.
3. **Lighting:** The front and rear lights will illuminate when the train is in operation. The marker light at the top of the observation deck illuminates backward.



Image: A close-up front view of the locomotive, showcasing its unique design, headlights, and the intricate golden grille.

4. **DCC Operation:** If using a DCC system, refer to your DCC controller's manual for specific programming and control instructions for DCC-compatible models.

Train Composition Example

The 87 Series "TWILIGHT EXPRESS Mizukaze" set can be arranged in various compositions. Below is an example of a typical arrangement.

PRECISION RAILROAD MODELS

KATO

10-1965 87系

TWILIGHT EXPRESS MIZUKAZE

87系「TWILIGHT EXPRESS 瑞風」4両基本セット

N-GAUGE

Image: A diagram illustrating the typical car composition for the 87 Series "TWILIGHT EXPRESS Mizukaze" set, indicating car numbers and their functions (e.g., observation, twin, lounge, dining car, suite).

Maintenance

- **Cleaning:** Perform light dusting regularly to keep the model free from dust and debris. Use a soft, dry cloth or a soft brush. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the train set in its original packaging or a suitable dust-free container to protect it from damage and dust accumulation.
- **Track Cleaning:** Ensure your railway tracks are clean to maintain good electrical contact and smooth operation.

Troubleshooting

If you encounter issues with your model train set, consider the following common troubleshooting steps:

- **Train Not Moving:**
  - Check if the power supply to the track is on and functioning correctly.
  - Ensure all train wheels are properly seated on the rails and making good contact.
  - Verify that all car connections are secure.
  - Inspect the track for any obstructions or dirt that might impede movement or electrical contact.
- **Lights Not Working:**
  - Confirm the train is receiving power from the track.
  - Check for any visible damage to the light units.
- **Erratic Movement:**
  - Clean the track and train wheels to remove any dirt or debris.
  - Ensure the track sections are securely connected and level.

If these steps do not resolve the issue, please contact Kato customer support for further assistance.

Specifications

Feature	Detail
Model Number	10-1965
Brand	Kato
Scale	N Gauge
Theme	Transportation (87 Series Twilight Express Mizukaze)
Material	Plastic
Color	Multicoloured (Dark Green with Gold Bands)
Item Dimensions (D x W x H)	5.51"D x 1.18"W x 0.79"H (Individual car dimensions may vary)

Included Components	Interior lighting, Dummy couplers on both ends, Intermediate body-mounted couplers with safety coupler with hook
Power Source	Rail feeding system (No batteries required for operation)
DCC Compatibility	Yes
Product Care Instructions	Light Dusting

Warranty and Support

Specific warranty information for the Kato N Gauge 87 Series Twilight Express Mizukaze Basic Set is not provided in this document. For details regarding warranty coverage, returns, or technical support, please refer to the manufacturer's official website or contact Kato customer service directly.
You may also find additional support resources and FAQs on the official Kato website: www.katomodels.com (Note: This is a placeholder link, please verify the actual support URL).

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