

## Kato 10-1566

# KATO N Gauge E6 Shinkansen Komachi 3-Car Basic Set

Model Number: 10-1566 Instruction Manual

## INTRODUCTION

Thank you for purchasing the KATO N Gauge E6 Shinkansen Komachi 3-Car Basic Set. This set allows you to recreate the distinctive E6 Shinkansen Komachi, known for its vibrant red livery and advanced tilting mechanism. This manual provides essential information for the safe and enjoyable operation, setup, and maintenance of your model train set.

## SAFETY INFORMATION

Please read and understand all safety instructions before operating your model train. Failure to follow these instructions may result in injury or damage to the product.

- This product is not a toy and is intended for hobbyists aged 8 years and older.
- Keep small parts away from young children to prevent choking hazards.
- Always disconnect power to the track before placing or removing trains, or performing any maintenance.
- Use only KATO-approved power packs and accessories. Using incompatible equipment may cause damage or fire.
- Avoid operating the train in wet or dusty environments.

## PACKAGE CONTENTS

Your KATO N Gauge E6 Shinkansen Komachi 3-Car Basic Set (Model 10-1566) includes the following components:

- 1 x E6 Shinkansen Komachi Lead Car (Car 1)
- 1 x E6 Shinkansen Komachi Middle Car (Motorized Car)
- 1 x E6 Shinkansen Komachi Tail Car (Car 3)



Image: The KATO N Gauge E6 Shinkansen Komachi 3-Car Basic Set, illustrating the three distinct cars included in the package.

## SETUP

### 1. Track Preparation

Ensure your N Gauge track is clean, properly assembled, and securely connected to a KATO power pack and controller (sold separately). A smooth, continuous electrical connection is crucial for optimal performance.

### 2. Connecting the Cars

The E6 Shinkansen Komachi cars feature KATO's reliable close-coupler system. Carefully align the couplers between each car and gently push them together until they click into place. Ensure all cars are facing the correct direction.

先頭部連結機構を11号車に装備

E5系との併結例



Image: A detailed view of the train's coupling system, demonstrating the connection point between two cars.

### 3. Placing the Train on Tracks

With the power pack disconnected, carefully place the assembled 3-car train onto the N Gauge track. Ensure all wheels are properly seated on the rails. The lead and tail cars have directional headlights and taillights, so confirm the train is oriented as desired for operation.

## OPERATING INSTRUCTIONS

### 1. Powering On and Speed Control

Connect your KATO power pack to a suitable power outlet. Turn on the power pack and slowly increase the throttle on your controller. The train should begin to move smoothly. Adjust the throttle to control the speed. The E6 Shinkansen Komachi features a tilting mechanism that allows the train to lean into curves, enhancing realism.



Image: The KATO E6 Shinkansen Komachi model train in motion on a section of N Gauge track.

### 2. Direction Control

Use the direction switch on your power pack or controller to change the direction of the train. Always bring the train to a complete stop before reversing direction to prevent damage.

### 3. Coupling with E5/H5 Series Shinkansen

The E6 Shinkansen Komachi is designed to be coupled with the E5 or H5 series Shinkansen (sold separately) to reproduce the combined Hayabusa/Komachi operation. Ensure both trains are equipped with compatible coupling mechanisms. Carefully bring the trains together on a straight section of track until the couplers engage.

## MAINTENANCE

### 1. Cleaning the Train

Regularly wipe the train bodies with a soft, dry cloth to remove dust. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid using harsh chemicals or abrasive cleaners.

### 2. Wheel and Track Cleaning

Dirt and grime on wheels and tracks can impair electrical contact and running performance. Use a KATO track cleaner or a soft cloth with isopropyl alcohol to clean the track rails and the train's wheels. Clean the motor car's pickup wheels more frequently.

### 3. Lubrication

The motor and gear mechanisms may require occasional lubrication. Refer to KATO's official maintenance guides for specific lubrication points and recommended lubricants. Over-lubrication can attract dust and hinder performance.

### 4. Storage

When not in use, store the train set in its original packaging or a protective case in a cool, dry place away from direct sunlight and extreme temperatures. This helps prevent dust accumulation and damage.

## TROUBLESHOOTING

- **Train not moving:** Check all track connections, ensure the power pack is on and connected, and verify the train's wheels are clean and properly seated on the rails.
- **Erratic movement or stalling:** Clean the track and train wheels thoroughly. Ensure there are no obstructions on the track. Check for loose wiring connections.
- **Lights not working:** Verify the train is placed correctly on the track for electrical contact. Check for any visible damage to the light components.
- **Derailment:** Inspect track for uneven joints or debris. Ensure couplers are properly connected. Reduce speed on curves if necessary.

If problems persist, consult KATO's official support resources or a qualified hobby technician.

## SPECIFICATIONS

| Feature        | Detail                                                  |
|----------------|---------------------------------------------------------|
| Brand          | Kato                                                    |
| Model Number   | 10-1566                                                 |
| Model Name     | E6 Shinkansen Komachi                                   |
| Scale          | N Gauge (1:150)                                         |
| Number of Cars | 3 (Basic Set)                                           |
| Material       | Plastic                                                 |
| Power Source   | Electric (Requires N Gauge power pack, sold separately) |
| Weight         | Approximately 0.23 Kilograms (for the set)              |

| Feature          | Detail                                                   |
|------------------|----------------------------------------------------------|
| Special Features | Tilting mechanism, compatible with E5/H5 series coupling |

**WARRANTY AND SUPPORT**

For warranty information, technical support, or replacement parts, please contact KATO customer service or visit the official KATO website. Keep your purchase receipt as proof of purchase.