

Kato 126-4014

Kato USA Inc. N Union Pacific Big Boy Steam Locomotive #4014 (Model 126-4014) Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Kato USA Inc. N Union Pacific Big Boy Steam Locomotive, Model 126-4014. Please read this manual thoroughly before operating the locomotive to ensure safe and optimal performance.

The Kato N Union Pacific Big Boy Steam Locomotive is a detailed model designed for N Scale railway enthusiasts.

2. PRODUCT OVERVIEW

The Kato N Union Pacific Big Boy Steam Locomotive, Model 126-4014, is an N Scale model train that reproduces the iconic Union Pacific Big Boy #4014. The model features a glossy finish and a detailed 4-8-8-4 articulated axle arrangement. It is equipped with two coreless motors designed to provide smooth and powerful operation.

The locomotive is capable of navigating a minimum passing curve radius of R11.2 inches (282 mm). It includes a standard knuckle coupler and comes with heavy couplers for FEF-3 and GS-3 models, along with a coupler trip pin.



Figure 2.1: The Kato N Union Pacific Big Boy Steam Locomotive #4014, showcasing its detailed design on a track section.

Key Features:

- N Scale model.
- Detailed reproduction of the Union Pacific Big Boy #4014.
- Glossy finish.
- 4-8-8-4 articulated axle arrangement.
- Equipped with two coreless motors for smooth and powerful operation.
- Achieves driving at R11.2 inches (282 mm) minimum passing curve radius.
- Features realistic headlights.
- Includes standard knuckle coupler and heavy couplers for FEF-3 and GS-3.

3. SETUP

3.1 Unpacking

1. Carefully remove the locomotive and its tender from the packaging. Retain all packaging materials for future storage or transport.
2. Inspect the model for any visible damage. If damage is present, contact your retailer or Kato customer support immediately.

3.2 Track Placement

Place the locomotive and tender gently onto a clean, N Scale compatible track. Ensure all wheels are properly seated on the rails. Verify that the track layout meets the minimum curve radius requirement of R11.2 inches (282 mm) to prevent derailment, especially when operating in double lines or yards where contact with other vehicles might occur.

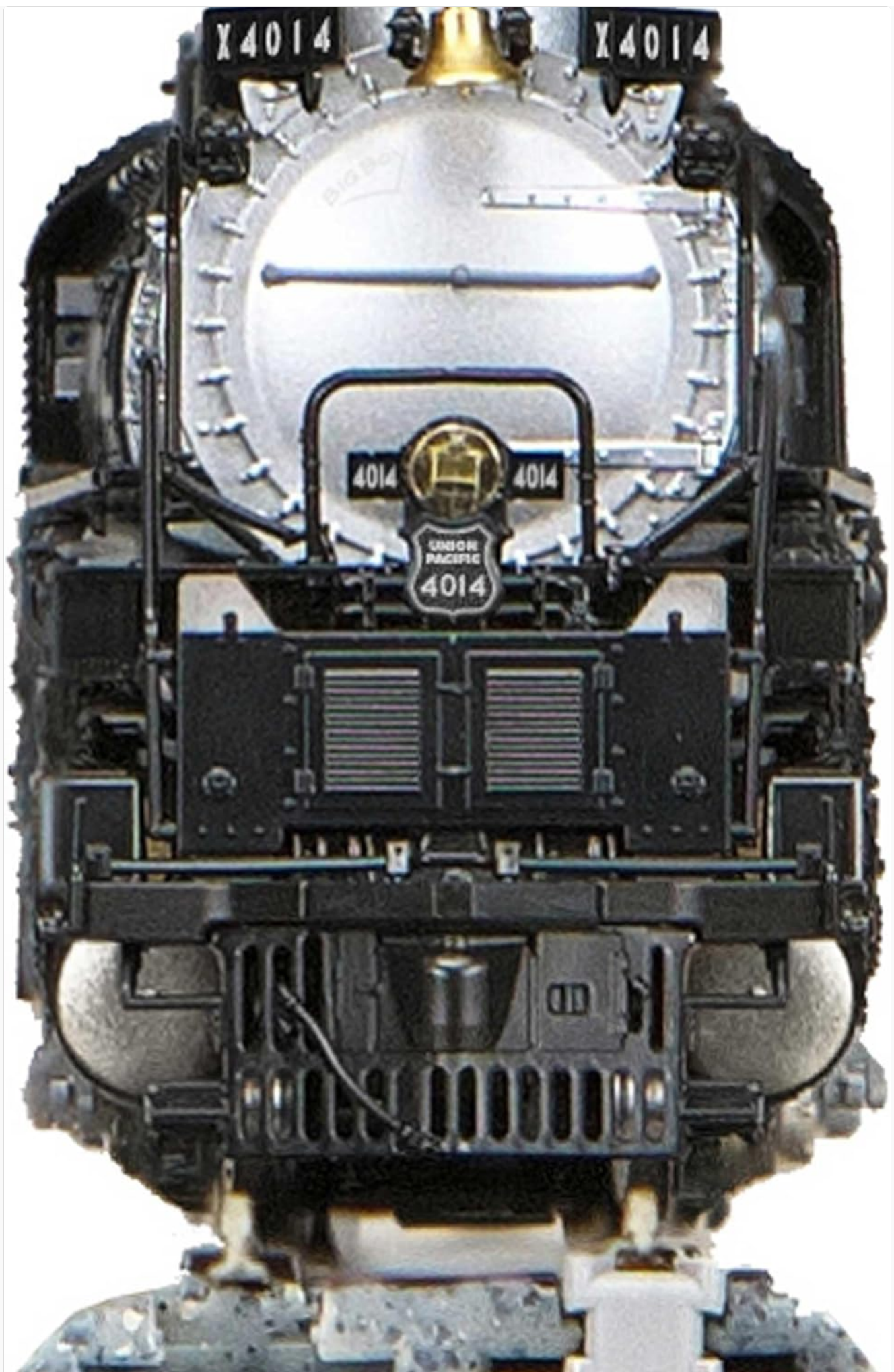


Figure 3.1: Side profile of the locomotive and tender, illustrating the connection point.

3.3 Connecting the Tender

The locomotive and tender are designed to be connected. Carefully align the drawbar and pin, then gently push them together until they securely connect. Ensure electrical contacts (if present) are properly aligned for power transfer to the tender's lights or other functions.

3.4 Coupler Installation

The model comes with a standard knuckle coupler installed. For specific applications, such as coupling with FEF-3 or GS-3 models, use the included heavy couplers. Refer to the diagrams provided with the accessory couplers for detailed installation instructions.

4. OPERATING INSTRUCTIONS

4.1 Powering On

Connect your N Scale power pack to the track. Gradually increase the power to the track. The locomotive's headlights should illuminate, indicating power is being supplied.

4.2 Running the Locomotive

Slowly increase the throttle on your power pack. The dual coreless motors are designed to provide smooth acceleration and deceleration. Observe the locomotive's movement to ensure it operates without obstruction.



Figure 4.1: The locomotive on a curved track, demonstrating its articulated design.

4.3 Navigating Curves

The Big Boy is an articulated locomotive designed to handle curves. However, it requires a minimum curve radius of R11.2 inches (282 mm). Operating on tighter curves may lead to derailment or damage. Always ensure sufficient clearance, especially when operating multiple trains on adjacent tracks.

4.4 Stopping the Locomotive

Gradually decrease the throttle to bring the locomotive to a smooth stop. Avoid abrupt stops, which can cause wear on the motor and drivetrain.

5. MAINTENANCE

5.1 Cleaning

- **Dust Removal:** Regularly use a soft brush or compressed air to remove dust from the locomotive body and running gear.
- **Wheel Cleaning:** Clean the locomotive wheels and track rails periodically with a specialized track cleaner and a lint-free cloth to ensure good electrical contact and smooth operation.
- **Body Cleaning:** For stubborn marks, use a slightly damp cloth with mild soap, then wipe dry immediately. Avoid harsh chemicals or abrasive materials.

5.2 Lubrication

Periodically apply a small amount of model train lubricant to the moving parts, such as axle bearings and gear trains. Refer to specialized model train maintenance guides for specific lubrication points and types of lubricant. Avoid over-lubrication, which can attract dust and hinder performance.

5.3 Storage

When not in use, store the locomotive in its original packaging or a protective case in a cool, dry, and dust-free environment. Avoid direct sunlight or extreme temperature fluctuations.

6. TROUBLESHOOTING

Common Issues and Solutions:

- **Locomotive does not move:**
 - Ensure power pack is on and connected to the track.
 - Check for clean track and wheels to ensure good electrical contact.
 - Verify all wheels are properly on the rails.
 - Inspect for any visible obstructions or damage to the motor or drivetrain.
- **Erratic movement or stalling:**
 - Clean track and wheels thoroughly.
 - Check for loose connections in the track or power supply.
 - Ensure the locomotive is not overloaded with too many cars.
- **Derailment on curves:**
 - Verify that the curve radius meets the minimum R11.2 inches (282 mm) requirement.
 - Check for uneven track sections or misaligned rails.
 - Ensure the locomotive is not traveling at excessive speed through curves.

If problems persist after attempting these solutions, please contact Kato customer support for further assistance.

7. SPECIFICATIONS



Figure 7.1: Front view of the locomotive, highlighting its detailed front end and headlights.

Feature	Detail
Brand	Kato
Model Number	126-4014
Scale	N Scale
Product Dimensions	1.89 x 3.46 x 12.83 inches
Item Weight	8.8 ounces
Minimum Passing Curve Radius	R11.2 inches (282 mm)
Motor Type	Dual Coreless Motors
Couplers	Standard knuckle coupler, includes heavy couplers for FEF-3 and GS-3
Manufacturer Recommended Age	14 months and up

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Kato products are manufactured to high standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Kato USA Inc. website. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, spare parts, or any inquiries regarding your Kato N Union Pacific Big Boy Steam Locomotive, please contact Kato USA Inc. customer support. Contact information can typically be found on the


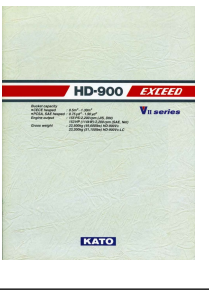


product packaging or their official website.

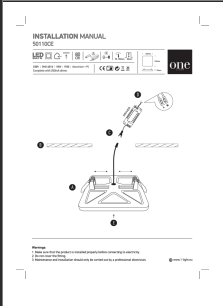
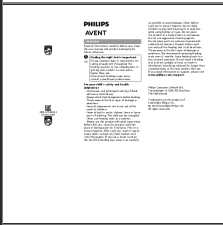
8.3 Included Accessories

- Heavy couplers for FEF-3 and GS-4
- Coupler Trip Pin

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Related Documents - 126-4014

	<p>KATO HD1430III Fully Hydraulic Excavator Service Manual</p> <p>Comprehensive service manual for the KATO HD1430III Fully Hydraulic Excavator, covering introduction, specifications, engine unit, hydraulic pump equipment, control equipment, front attachment, superstructure, lower structure, and electrical equipment, along with usage instructions and troubleshooting guidance.</p>
	<p>KATO HD-900 EXCEED Excavator: Advanced Features & Specifications</p> <p>Discover the KATO HD-900 EXCEED series hydraulic excavators, featuring advanced APC technology for optimal performance and fuel efficiency. This brochure details models like the HD-900VII and HD-900V-LC, highlighting their powerful engines, comfortable cabs, and robust construction for demanding job sites.</p>
	<p>KATO Thread Kits: Comprehensive Guide to Thread Repair Solutions</p> <p>Discover KATO Thread Kits, a leading provider of advanced thread repair solutions including Perma-Coil, Perma-Plug, and Perma-Kee. This catalog details high-quality thread repair kits for automotive, industrial, and production applications, emphasizing durability and performance.</p>
	<p>Viessmann Colour Light Signal (Bauart 1969) Operation Manual</p> <p>Detailed operation manual for the Viessmann Colour Light Signal, Bauart 1969 model. Covers safety, installation, connection, signal technology, and technical specifications for model railway enthusiasts.</p>

	<p>50110CE LED Downlight Installation Manual</p> <p>Installation manual for the 50110CE LED downlight by ONE LIGHT, detailing its specifications, dimensions, and step-by-step installation guide with safety warnings.</p>
	<p>Philips Avent Feeding Teats - Safety and Usage Guide</p> <p>Essential safety information and usage guidelines for Philips Avent feeding teats, including advice on choosing the right teat and maintaining hygiene.</p>

Documents - Kato – 126-4014



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