

Piko 52443

Piko 52443 Expert FS D.141 Diesel Locomotive IV Instruction Manual

Brand: Piko | Model: 52443

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Piko 52443 Expert FS D.141 Diesel Locomotive IV. This highly detailed model is designed for experienced model railway enthusiasts.

Important Note: This item is a detailed model and not intended as a toy. While the manufacturer recommends it for ages 3 years and up, operation requires adult supervision and understanding of model railway systems due to its intricate nature and small parts.

SAFETY INFORMATION

Please read and understand all safety instructions before operating your model locomotive.

- Small Parts:** This model contains small parts that could pose a choking hazard. Keep out of reach of small children.
- Electrical Safety:** Ensure your power supply and track system are correctly installed and maintained according to their respective manuals. Do not operate the locomotive with damaged wiring or components.
- Handling:** Always handle the locomotive with care to avoid damaging delicate parts. Avoid dropping or subjecting the model to excessive force.
- Ventilation:** Ensure adequate ventilation when operating the model, especially if using smoke generators (if applicable, though not specified for this model).

PRODUCT OVERVIEW

The Piko D.141 is a highly detailed model of the Italian FS D.141 diesel locomotive, known for its robust design and operational versatility. This model accurately replicates the prototype's features, including precise engraving, fine details, and an authentic color scheme.



Image: Prototype FS D.141 Diesel Locomotive. The Piko 52443 model is a faithful reproduction of this locomotive, capturing its distinctive green and yellow livery and robust design.

SETUP

Unpacking

1. Carefully remove the locomotive from its packaging. Retain the original packaging for future storage or transport.
2. Inspect the model for any visible damage or loose parts. If any issues are found, contact your dealer.
3. Remove any protective films or ties used for shipping.

Track Preparation

1. Ensure your model railway track is clean and free of dust, debris, or oil. Use a track cleaning tool or cloth.
2. Verify that all track connections are secure and provide good electrical conductivity.
3. Confirm your track layout meets the minimum radius requirement of 358 mm for smooth operation.

Initial Placement

1. Gently place the locomotive onto the tracks, ensuring all wheels are properly seated on the rails.
2. Connect your power supply (AC system) to the track as per your system's instructions.

OPERATING INSTRUCTIONS

Power System

This Piko 52443 model is designed for operation on an **alternating current (AC)** system.

Digital Operation (AC Sound Version)

The locomotive is equipped with a PluX22 interface (NEM 658) for digitalization. The AC sound version includes a pre-installed PluX22 sound decoder with support for the mfx digital protocol, offering advanced control and realistic sound features.

- **Light Functions:** The model features switchable light functions utilizing modern LED technology. This includes a directional white/red light change, where the front lights illuminate white and the rear lights illuminate red, switching automatically with the direction of travel.
- **Sound Functions:** The integrated Piko Sound Decoder provides a range of realistic sound effects, enhancing the operational experience. Refer to your digital control system's manual for specific function mapping and activation.

Coupling

The locomotive is fitted with NEM + close coupling connectors, allowing for realistic close coupling with other rolling stock equipped with compatible couplers.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your locomotive.

Cleaning

1. **Body:** Use a soft, lint-free cloth to gently wipe the locomotive body. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture.
2. **Wheels:** Keep the wheels clean to ensure good electrical contact and smooth running. Use a cotton swab dampened with isopropyl alcohol to clean the wheel treads.
3. **Track:** Regularly clean your tracks to prevent dirt and dust from transferring to the locomotive's wheels and affecting performance.

Lubrication

Periodically lubricate moving parts as recommended by Piko. Use only model railway specific lubricants. Apply a very small amount to axles and gear mechanisms. Avoid over-lubrication.

TROUBLESHOOTING

This section addresses common issues you might encounter with your locomotive.

Problem	Possible Cause	Solution
Locomotive does not move or runs erratically.	Dirty track or wheels; poor electrical contact; power supply issue.	Clean track and wheels. Check all track connections and power supply. Ensure locomotive is properly seated on rails.
Lights flicker or do not work.	Dirty track or wheels; loose wiring; decoder issue.	Clean track and wheels. Check for loose wires. If problem persists, consult a qualified technician or Piko support.
Sound functions not working.	Decoder setting; speaker issue; power supply.	Check your digital control system's settings for sound activation. Ensure adequate power supply.

Problem	Possible Cause	Solution
Locomotive derails frequently.	Track not level; minimum radius not met; damaged wheels.	Ensure track is level and curves meet minimum radius. Inspect wheels for damage.

SPECIFICATIONS

Key technical specifications for the Piko 52443 Expert FS D.141 Diesel Locomotive IV:

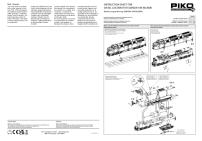
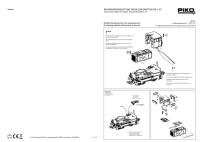
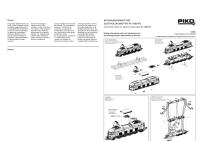
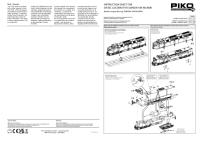
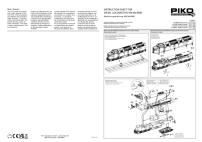
Feature	Value
Scale	H0 (B Scale)
Epoch	IV
Length over buffers	175 mm
Minimum Radius	358 mm
Digital Interface	NEM 658 PluX22
Sound Decoder	PluX22 (internal)
Power System	Alternating Current (AC)
Light Change	Directional white/red
Number of Traction Tyres	2
Clutch	NEM + close coupling
Recommended Age (Manufacturer)	3 years and up
Manufacturer Reference	52443
Color	White, Red (referring to light colors, main body is green)
ASIN	B08563R67D
First Available on Amazon.it	12 March 2020

WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the official Piko website or the documentation included with your purchase. Keep your proof of purchase (receipt or invoice) as it may be required for warranty claims.

For technical support, spare parts, or service inquiries, please contact your authorized Piko dealer or visit the official Piko customer support channels. They can provide specialized assistance for your model locomotive.

Related Documents - 52443

	<p>PIKO D&RGW KM ML4000 Diesel Locomotive Instruction Manual and Parts List</p> <p>Instruction sheet and spare parts list for the PIKO D&RGW KM ML4000 Diesel Locomotive, including disassembly, maintenance, and part ordering information.</p>
	<p>PIKO Diesel Locomotive BR V 23 Instruction Manual and Parts List</p> <p>Instruction sheet and spare parts list for the PIKO HO scale Diesel Locomotive BR V 23 (Model 52552). Includes details on decoder installation, sound retrofit, and a comprehensive parts breakdown.</p>
	<p>PIKO Electric Locomotive Rh 1000 NS: Instruction Manual & Spare Parts (#97504)</p> <p>Detailed instructions for the PIKO HO scale Electric Locomotive Rh 1000 NS (Model #97504), including assembly, disassembly, decoder and sound installation, and a comprehensive spare parts list.</p>
	<p>PIKO #97442 SmartDecoder XP 5.1 Sound ML4000 Diesel Locomotive Reference Guide</p> <p>Comprehensive reference guide for the PIKO #97442 SmartDecoder XP 5.1 Sound, designed for the ML4000 Diesel Locomotive. This guide details installation, function mapping, programming, and technical specifications for DCC and analog operation.</p>
	<p>PIKO D&RGW KM ML4000 Diesel Locomotive Instruction Manual and Parts List</p> <p>Official instruction sheet and spare parts list for the PIKO D&RGW KM ML4000 HO scale diesel locomotive. Includes assembly, disassembly, and part identification.</p>
	<p>PIKO KM ML4000 Diesel Locomotive Instruction Sheet and Parts List</p> <p>Detailed instruction sheet and spare parts list for the PIKO KM ML4000 Diesel Locomotive, including assembly, disassembly, and part identification. Supports DCC/DC and 3-Rail AC operation.</p>