

Bachmann 25025

Bachmann Trains East Broad Top Freight Electric Train Set - Instruction Manual

Model: 25025

1. INTRODUCTION

Welcome to the world of model railroading with your new Bachmann Trains East Broad Top Freight Ready to Run Electric Train Set. This set is designed for enthusiasts aged 14 and up, offering a detailed On30 scale experience that operates on standard HO track. This manual provides essential information for the safe and proper setup, operation, and maintenance of your train set.

The East Broad Top Railroad and Coal Company, a historic narrow-gauge line, is celebrated with this meticulously crafted set. It features a 2-6-0 Steam Era Locomotive with an operating headlight, a coal tender, a tank car, a two-bay steel hopper car, and a caboose. The set includes a 56" x 38" oval of nickel silver E-Z Track, a power pack, and a speed controller, providing everything needed to begin your railroading adventure.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this electric train set. Failure to do so may result in injury or damage to the product.

- **Age Recommendation:** This product is recommended for ages 14 and up. It is not a toy and contains small parts that may pose a choking hazard to younger children.
- **Electrical Safety:** Always ensure the power pack is unplugged from the wall outlet before assembling, disassembling, or performing maintenance on the track or train components. Use only the power pack supplied with this set. Do not expose the power pack or train components to water or excessive moisture.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from moving wheels and gears during operation.
- **Ventilation:** Operate the train set in a well-ventilated area.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Carefully unpack all components and verify that all items listed below are present. Retain the packaging for future storage or

transport.



Image 3.1: Contents of the Bachmann East Broad Top Freight Electric Train Set.

- 2-6-0 Steam Era Locomotive with Operating Headlight
- Coal Tender
- Tank Car
- Two-Bay Steel Hopper Car
- Caboose
- 56" x 38" Oval of Nickel Silver E-Z Track (includes curved and straight sections)
- Power Pack
- Speed Controller
- Instruction Manual

4. SETUP

Follow these steps to assemble your train set and prepare for operation.

4.1 Track Assembly

The E-Z Track system is designed for easy assembly. Ensure track sections are clean and free of debris before connecting.

1. Lay out the track sections on a flat, stable surface.
2. Align the rail joiners on one track section with the rails of the next section.
3. Gently push the sections together until they snap securely into place. Avoid forcing them.
4. Form the complete 56" x 38" oval as shown in the diagram.

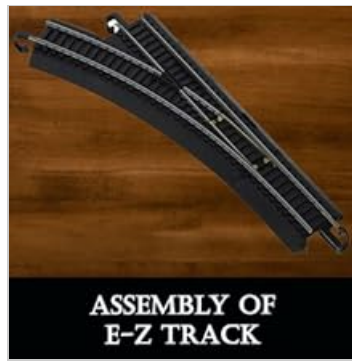


Image 4.1: Track assembly using E-Z Track sections.

4.2 Power Connection

Connect the power pack to the track and a suitable electrical outlet.

1. Locate the terminal wires on the E-Z Track section.
2. Connect the terminal wires from the track to the output terminals on the speed controller. Ensure a secure connection.
3. Plug the power pack into the speed controller.
4. Plug the power pack into a standard 120V AC wall outlet.



Image 4.2: Connecting the power pack and speed controller to the track.

4.3 Placing the Train on Track

Carefully place the locomotive and cars on the track.

1. Ensure the speed controller is set to the 'OFF' or 'STOP' position.
2. Place the locomotive on the track, ensuring all wheels are properly seated on the rails.
3. Connect the coal tender to the locomotive using the provided coupler.
4. Connect the freight cars (tank car, hopper, caboose) in desired order, ensuring couplers engage properly.



Image 4.3: Detail of connecting train car couplers.

5. OPERATING INSTRUCTIONS

Once the train set is assembled and connected, you can begin operation.

1. **Power On:** Turn the speed controller knob clockwise from the 'OFF' position. The locomotive's headlight should illuminate.
2. **Control Speed:** Continue turning the knob clockwise to increase the train's speed. Turn counter-clockwise to decrease speed.
3. **Change Direction:** To change the direction of the train, first bring the train to a complete stop by turning the speed controller knob to the 'OFF' position. Then, quickly turn the knob to the 'ON' position and back to 'OFF' once or twice. This will reverse the direction. Finally, turn the knob clockwise again to resume operation in the new direction.
4. **Stop:** Turn the speed controller knob fully counter-clockwise to the 'OFF' position to stop the train.



Image 5.1: The East Broad Top train operating on the track.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your train set.

6.1 Cleaning the Track

Dust and dirt can accumulate on the track, affecting electrical conductivity and train performance.

- Use a soft, lint-free cloth or a track cleaning pad (available separately) to wipe down the top surface of the rails.
- For stubborn grime, a small amount of isopropyl alcohol on a cloth can be used, but ensure the track is completely dry before operating the train.



Image 6.1: Cleaning the E-Z Track for optimal performance.

6.2 Locomotive and Car Maintenance

- **Wheels:** Periodically inspect locomotive and car wheels for dirt, lint, or hair. Use a small brush or cotton swab to clean them.
- **Lubrication:** The locomotive's moving parts are pre-lubricated. Avoid over-lubrication. If necessary, use only specialized model train lubricant sparingly on gears and axles as directed by Bachmann's official guidelines (not included in this manual).
- **Storage:** When not in use, store the train components in their original packaging or a protective case to prevent dust accumulation and damage.

7. TROUBLESHOOTING

If your train set is not operating as expected, consult the following troubleshooting guide.

| Problem | Possible Cause | Solution |
|------------------------------------|---|---|
| Train does not move, no lights. | No power to the track. | Ensure power pack is plugged into a live outlet and the speed controller. Check all track connections for tightness. Verify the speed controller is turned ON. |
| Train moves erratically or stalls. | Dirty track or wheels; poor electrical contact. | Clean track rails and locomotive/car wheels (refer to Section 6.1). Ensure all track sections are fully connected. |
| Locomotive headlight not working. | Bulb failure or poor contact. | Ensure the train is receiving power. If the train moves but the light does not, the bulb may need replacement (consult Bachmann service for specific instructions). |
| Train derails frequently. | Improperly connected track; wheels not seated; excessive speed. | Check track connections for smooth transitions. Ensure all wheels are properly on the rails. Reduce train speed, especially on curves. |

8. SPECIFICATIONS

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| Brand | Bachmann |
| Model Name | East Broad Top - Freight Ready To Run Electric Train Set |
| Model Number | 25025 |
| Scale | On30 Scale (O Scale Narrow Gauge) |
| Rail Gauge | HO Track |
| Power Source | Track-Powered Electric |
| Material Type | Metal, Plastic |
| Item Dimensions (Oval) | 56 x 38 inches |
| Assembly Required | Yes |
| Approximate Assembly Time | 30 Minutes |
| Age Range Description | Ages 14 and Up |

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

This Bachmann Trains product is covered by a **90-day warranty** against manufacturer defects from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, unauthorized modification, or normal wear and tear.

9.2 Customer Support

For technical assistance, warranty claims, or to inquire about replacement parts, please contact Bachmann Trains customer service directly. Refer to the official Bachmann Trains website or the product packaging for the most current contact information.

When contacting support, please have your model number (25025) and proof of purchase readily available.