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› Bachmann ALCO RS-3 Diesel Locomotive (Model 68614) Instruction Manual

## Bachmann 68614

# Bachmann ALCO RS-3 Diesel Locomotive (Model 68614) Instruction Manual

TCS Sound Value Equipped - HO Scale

## INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your Bachmann ALCO RS-3 TCS Sound Value Equipped Diesel Locomotive. This HO Scale model (Model 68614) is designed for both analog and DCC (Digital Command Control) layouts, featuring a factory-installed TCS sound value decoder for realistic sound, speed, direction, and lighting control. It also includes a Keep-Alive device to ensure continuous operation even over minor track imperfections.



*Image: The Bachmann ALCO RS-3 Diesel Locomotive (Model 68614) in a scenic railway setting, demonstrating its detailed design.*

## SETUP

1. **Unpacking:** Carefully remove the locomotive from its packaging. Retain all packaging materials for future storage or transport.
2. **Track Preparation:** Ensure your HO scale track is clean and properly assembled. The locomotive performs best on curves with an 18-inch radius or greater.
3. **Placement on Track:** Gently place the locomotive on the track, ensuring all wheels are correctly seated on the rails.
4. **Power Connection:** Connect your power pack (for analog operation) or DCC system (for digital operation) to the track as per their respective instructions.



*Image: An overhead view of the ALCO RS-3 locomotive positioned on HO scale tracks, illustrating proper placement.*

## OPERATING INSTRUCTIONS

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### Analog (DC) Operation:

- Connect a standard DC power pack to your track.
- Increase the throttle slowly. The locomotive will begin to move, and the sound system will activate automatically.
- Direction is controlled by the direction switch on your power pack.
- The operating headlight will illuminate in the direction of travel.

### DCC (Digital Command Control) Operation:

- The locomotive is equipped with a factory-installed TCS sound value decoder.
- The default DCC address is typically 3. Refer to your DCC system's manual for programming instructions if you wish to change the address or customize sound functions.
- Use your DCC controller to control speed, direction, and activate various sound functions (e.g., horn, bell, prime mover sounds).
- The integrated Keep-Alive device ensures smooth operation by providing momentary power during brief electrical interruptions on the track.

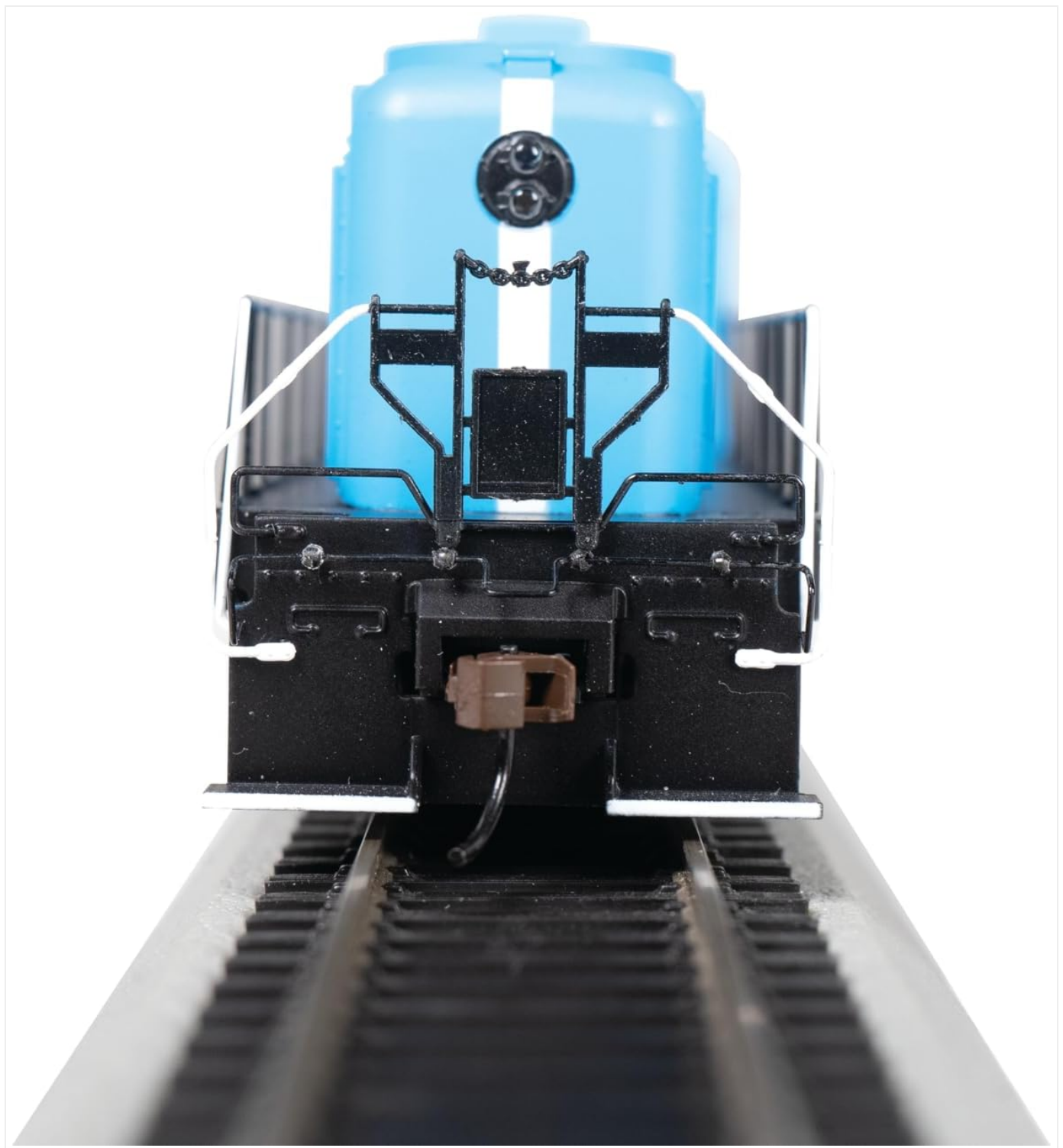


*Image: A detailed front view of the ALCO RS-3 locomotive, showcasing its operating headlight and E-Z Mate Mark II couplers.*

## MAINTENANCE

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- **Cleaning:** Regularly wipe the locomotive's body with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive cleaners.
- **Wheel Cleaning:** Periodically clean the locomotive's metal wheels and track rails with a specialized track cleaner to ensure optimal electrical contact and performance.
- **Lubrication:** Refer to Bachmann's official website or a specialized model train hobby guide for detailed lubrication instructions. Over-lubrication can attract dust and hinder performance.
- **Storage:** When not in use, store the locomotive in its original packaging or a protective case in a dry, temperate environment away from direct sunlight.

## TROUBLESHOOTING

| Problem                              | Possible Cause                                                                                                                                   | Solution                                                                                                                                                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Locomotive does not move or respond. | <ul style="list-style-type: none"><li>• No power to track.</li><li>• Dirty track or wheels.</li><li>• Incorrect DCC address (for DCC).</li></ul> | <ul style="list-style-type: none"><li>• Check power pack/DCC system connections.</li><li>• Clean track and locomotive wheels.</li><li>• Verify DCC address or reset to default (address 3).</li></ul>             |
| Sound functions are not working.     | <ul style="list-style-type: none"><li>• Low track voltage (analog).</li><li>• Sound function not activated (DCC).</li></ul>                      | <ul style="list-style-type: none"><li>• Increase throttle on analog power pack.</li><li>• Ensure correct function button is pressed on DCC controller.</li></ul>                                                  |
| Intermittent operation.              | <ul style="list-style-type: none"><li>• Dirty track or wheels.</li><li>• Loose track connections.</li></ul>                                      | <ul style="list-style-type: none"><li>• Clean track and wheels.</li><li>• Check all track connections for secure fit. The Keep-Alive device helps mitigate this, but clean connections are still vital.</li></ul> |

## SPECIFICATIONS

- **Model:** ALCO RS-3 Diesel Locomotive
- **Model Number:** 68614
- **Scale:** HO Scale (1:87)
- **Power:** Dual Mode (Analog DC / DCC)
- **Decoder:** TCS Sound Value Equipped
- **Special Features:** Keep-Alive device, Operating Headlight, All-wheel Drive, E-Z Mate® Mark II couplers
- **Minimum Curve Radius:** 18 inches or greater
- **Material:** Metal, Plastic
- **Color:** Prototypical Blue (Boston & Maine - McGinnis livery)

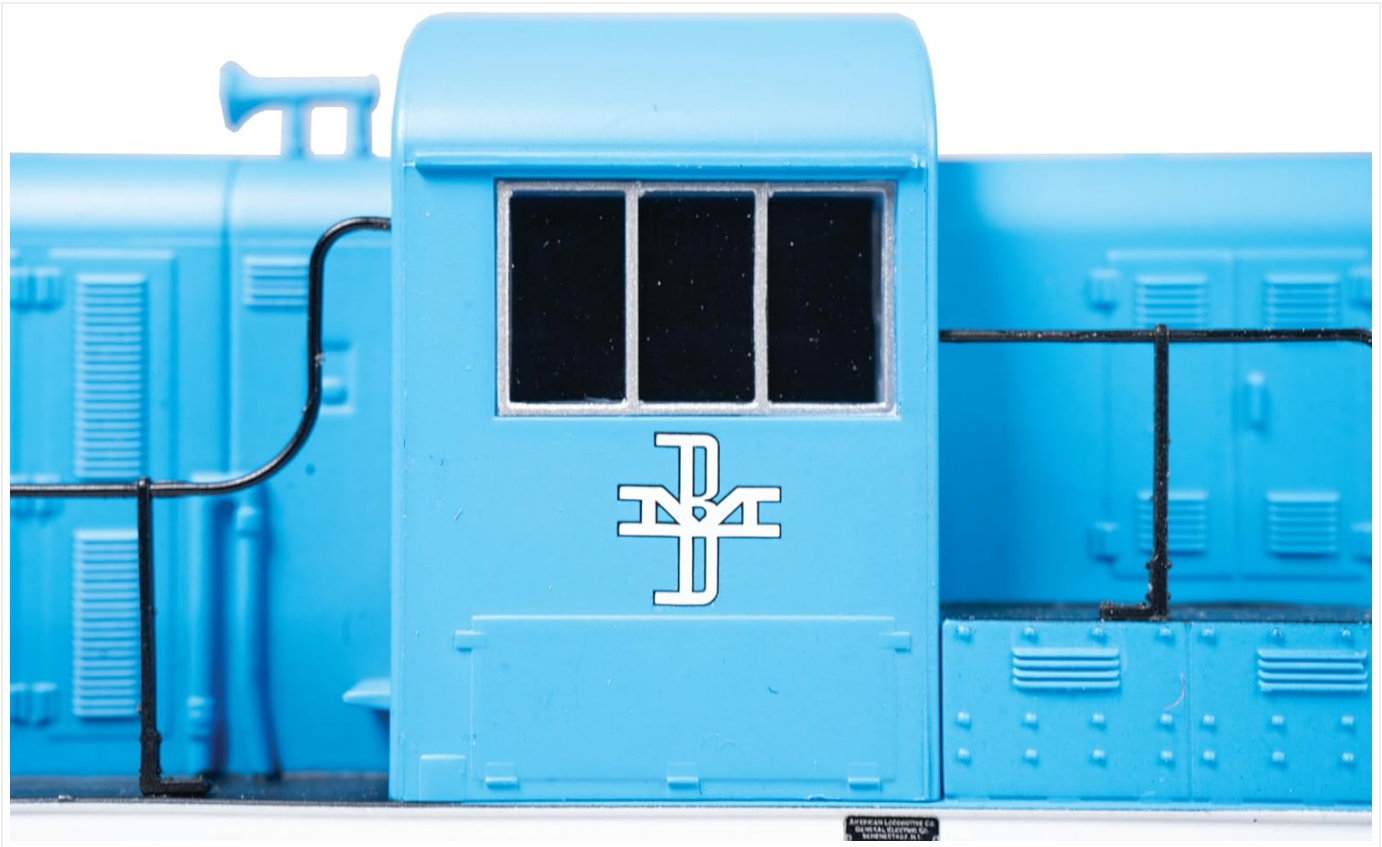


Image: A close-up view of the locomotive's cab, highlighting the detailed graphics and windows.

## WARRANTY

This Bachmann ALCO RS-3 Diesel Locomotive (Model 68614) is covered by a **1-year warranty against manufacturer defects**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Bachmann website or contact customer support.

## SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please visit the official Bachmann Trains website or contact their customer service department. Online resources often include FAQs, additional troubleshooting guides, and contact information.

**Bachmann Trains Official Website:** [www.bachmanntrains.com](http://www.bachmanntrains.com)

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