Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Atlas 553

Atlas Code 83 HO Scale Terminal Joiners Instruction Manual

1. Product Overview

Atlas Code 83 Terminal Joiners are essential components for connecting sections of HO scale model railroad track. These specialized metal clips are designed to join two track sections while also providing an electrical connection from your power pack to the rails. Unlike standard rail joiners, terminal joiners include pre-attached wires for direct wiring to your power source.

The term "Code 83" refers to the height of the rail, which is 0.083 inches. Atlas Code 83 track features finer ties and rail profiles compared to Code 100, offering a more prototypical and realistic appearance for your HO scale layout. These terminal joiners are specifically engineered for compatibility with Code 83 track systems.



Image 1.1: Atlas Code 83 HO Scale Terminal Joiners. These metal joiners feature attached wires for electrical connection to a power source.

2. Installation and Setup

Proper installation of terminal joiners ensures reliable electrical conductivity and smooth track operation. Follow these steps for setup:

1. **Prepare Track Sections:** Ensure the ends of the track sections you intend to join are clean and free of debris or burrs.
2. **Attach Joiners:** Slide one terminal joiner onto the end of a rail on one track section. The joiner should fit snugly.

Repeat for the other rail.

3. **Connect Track:** Carefully align the second track section and slide its rails into the open ends of the terminal joiners. Ensure a tight, flush connection between the two track sections.
4. **Wire Connection:** Connect the wires extending from the terminal joiners to your model railroad power pack or track bus. Ensure correct polarity (positive to positive, negative to negative) according to your power pack's instructions. Typically, one wire connects to each rail.
5. **Test Connection:** After wiring, place a locomotive on the connected track section and test for power and smooth operation.

Important: These joiners are designed for Code 83 track. Using them with other rail codes may result in an improper fit or poor electrical contact.

3. Operation

Once installed and wired correctly, the Atlas Code 83 Terminal Joiners facilitate the transfer of electrical power from your power pack to the track rails. This allows your locomotives and other electrically powered accessories to operate on the connected track sections. The metal construction of the joiners ensures a continuous electrical path, while the attached wires provide a direct and secure connection to your power source.

4. Maintenance

To ensure long-term performance and reliable electrical contact, minimal maintenance is recommended:

- **Keep Clean:** Periodically inspect the joiners and track ends for any dirt, dust, or oxidation that could impede electrical flow. Use a soft, dry cloth or a specialized track cleaning tool.
- **Check Connections:** Ensure the joiners remain snugly fitted to the track rails and that the wire connections to your power pack are secure. Loose connections can lead to intermittent power or arcing.
- **Avoid Bending:** Do not repeatedly bend or flex the joiners, as this can weaken the metal and compromise their ability to maintain a tight electrical connection.

5. Troubleshooting

If you experience issues with power on your track sections, consider the following troubleshooting steps:

- **No Power:** Check all wire connections from the terminal joiners to the power pack. Ensure the power pack is turned on and functioning correctly. Verify that the joiners are making firm contact with both rails.
- **Intermittent Power:** This often indicates a loose connection. Inspect the joiners for proper fit and the wiring for any breaks or poor contacts. Clean the track and joiner surfaces.
- **Short Circuit:** If your power pack indicates a short circuit, immediately disconnect power. Check for any metal objects bridging the rails or exposed wires touching each other. Ensure the terminal joiners are not touching any other conductive materials that could cause a short.

6. Specifications

Feature	Detail
Brand	Atlas

Model Number	553
Scale	HO
Rail Code Compatibility	Code 83 (0.083 inches rail height)
Material	Metal joiners with insulated wires
Item Dimensions	Approximately 2 x 0.2 x 2 inches (L x W x H)
Item Weight	4.54 g
UPC	732573005532

7. Warranty and Support

For specific warranty information or technical support regarding your Atlas Code 83 Terminal Joiners, please refer to the packaging or contact Atlas directly through their official website or customer service channels. Keep your purchase receipt for any warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0006N73VU

More documents and user manuals: **https://manuals.plus/**