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› [Intermec PD41 PD42 Thermal Label Printer Printhead 300dpi Instruction Manual](#)

PARTS PD41 PD42 300dpi

Intermec PD41 PD42 Thermal Label Printer Printhead 300dpi Instruction Manual

Model: PD41 PD42 300dpi | Part Number: 141-000045-962 | Brand: PARTS

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of the PARTS 141-000045-962 Printhead. This printhead is specifically designed for use with Intermec PD41 and PD42 Thermal Label Printers, offering a 300dpi print resolution. Please read this manual thoroughly before installation to ensure optimal performance and longevity of your printhead.

2. PRODUCT OVERVIEW

The 141-000045-962 Printhead is a genuine replacement component for Intermec PD41 and PD42 thermal label printers. It is engineered to deliver high-quality 300 dots per inch (dpi) resolution printing. This printhead is crucial for maintaining the print quality and efficiency of your thermal label printer.

Important Compatibility Note:

This printhead is designed exclusively for Intermec PD41 and PD42 printers with 300dpi resolution. It is **not compatible** with Intermec PD41 or PD42 printers that operate at 203dpi, nor is it compatible with the Intermec PD43 printer. Verify your printer's specifications before proceeding with installation.



Figure 2.1: Front view of the PARTS 141-000045-962 Printhead. This image shows the main body of the printhead, featuring its metallic casing and the visible print element.

3. SETUP AND INSTALLATION

Installation of a printhead requires careful handling and adherence to the printer's specific service procedures. It is recommended that this procedure be performed by a qualified technician. Always refer to your Intermec PD41 or PD42 printer's service manual for detailed, step-by-step instructions.

3.1. Unpacking

Upon receiving your package, ensure it contains the following:

- 1x PARTS 141-000045-962 Thermal Genuine Printhead 300dpi

Inspect the printhead for any visible damage that may have occurred during shipping. If any damage is found, contact your supplier immediately.

3.2. Pre-Installation Steps

1. **Power Off:** Completely power off and unplug the Intermec PD41 or PD42 printer from its power source.
2. **Cool Down:** Allow the printer to cool down for at least 15 minutes if it has been recently in operation, as the old printhead can be hot.
3. **Access:** Open the printer's cover to access the printhead assembly.
4. **Grounding:** Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.

3.3. Printhead Replacement

The general steps for replacing a printhead typically involve:

1. **Disconnect Cables:** Carefully disconnect any ribbon cables or connectors attached to the old printhead.
2. **Remove Old Printhead:** Unlatch or unscrew the old printhead from its mounting bracket. Handle the old printhead carefully, as it may contain residual ink or thermal coating.
3. **Install New Printhead:** Position the new 141-000045-962 Printhead into the mounting bracket. Ensure it is seated correctly and securely.
4. **Connect Cables:** Reconnect all cables and connectors to the new printhead, ensuring they are firmly attached and correctly oriented.
5. **Secure:** Fasten any latches or screws to secure the new printhead in place.

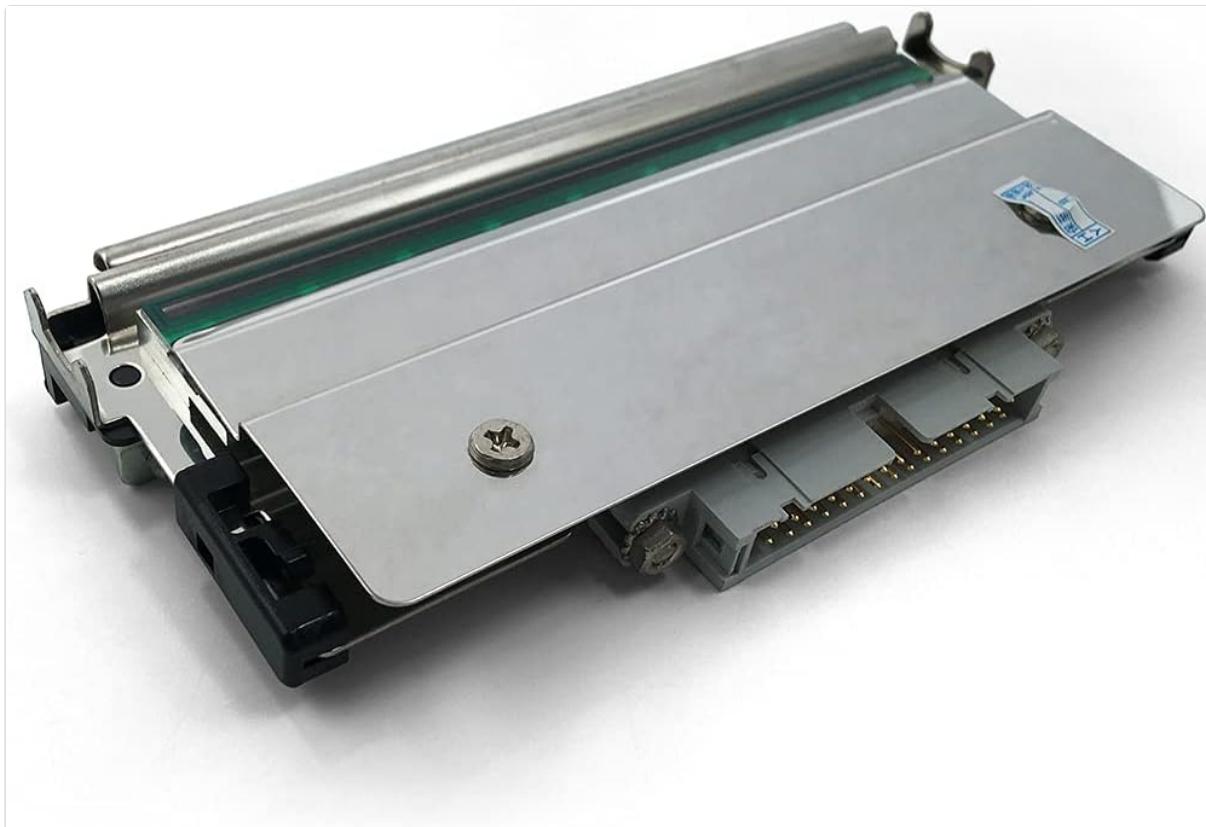


Figure 3.1: Angled view of the printhead, highlighting the electrical connector pins. Ensure these pins align correctly with the printer's receptacle during installation.

3.4. Post-Installation

1. **Close Cover:** Close the printer's cover.
2. **Power On:** Plug in the printer and power it on.
3. **Calibration/Test Print:** Perform a calibration or test print according to your printer's manual to verify proper installation and print quality.

4. OPERATING INSTRUCTIONS

As a component, the printhead itself does not have direct operating controls. Its function is integrated into the Intermec PD41 or PD42 thermal label printer. Once correctly installed, the printhead operates automatically as part of the printer's normal printing process.

Refer to your Intermec PD41 or PD42 printer's user manual for instructions on loading media, configuring print settings, and initiating print jobs.

5. MAINTENANCE

Proper maintenance extends the life of your printhead and ensures consistent print quality. Always power off and unplug the printer before performing any maintenance.

5.1. Cleaning the Printhead

Dust, adhesive residue, and debris can accumulate on the printhead, leading to poor print quality or damage. Clean the printhead regularly, especially when changing label rolls or if print quality degrades.

- Use a lint-free cloth or a specialized printhead cleaning wipe.
- Apply a small amount of isopropyl alcohol (99% pure) to the cloth/wipe.
- Gently wipe the printhead's thermal element from one end to the other. Avoid touching the element with bare hands.
- Allow the printhead to dry completely before closing the printer cover and powering it on.



Figure 5.1: Side view of the printhead, illustrating the thermal element (the green strip) which is responsible for transferring heat to the thermal labels. This area requires careful cleaning.

5.2. Preventing Damage

- Avoid using abrasive materials or harsh chemicals for cleaning.
- Ensure labels and ribbons are properly loaded to prevent creasing or tearing that could scratch the printhead.
- Do not touch the printhead's thermal element with your fingers, as oils and dirt can cause damage.

6. TROUBLESHOOTING

If you experience issues after installing the new printhead, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No print or blank labels	Printhead not properly seated; cables loose; incorrect media type.	Verify printhead installation and cable connections. Ensure you are using thermal labels.
Poor print quality (faded, lines, gaps)	Dirty printhead; damaged printhead element; incorrect print settings.	Clean the printhead (refer to Section 5.1). Check printer settings for darkness and speed. If issues persist, the printhead may be damaged.
Printer error messages related to printhead	Printhead not recognized; incorrect printhead type.	Ensure the printhead is fully compatible (300dpi for PD41/PD42). Reinstall the printhead. Consult your printer's manual for specific error codes.

If troubleshooting steps do not resolve the issue, contact customer support or a qualified service technician.

7. SPECIFICATIONS

Feature	Detail
Part Number	141-000045-962
Brand	PARTS
Compatibility	Intermec PD41, Intermec PD42 (300dpi models only)
Resolution	300dpi (dots per inch)
Printing Technology	Thermal
UPC	880828192657
ASIN	B087RLJ2RV

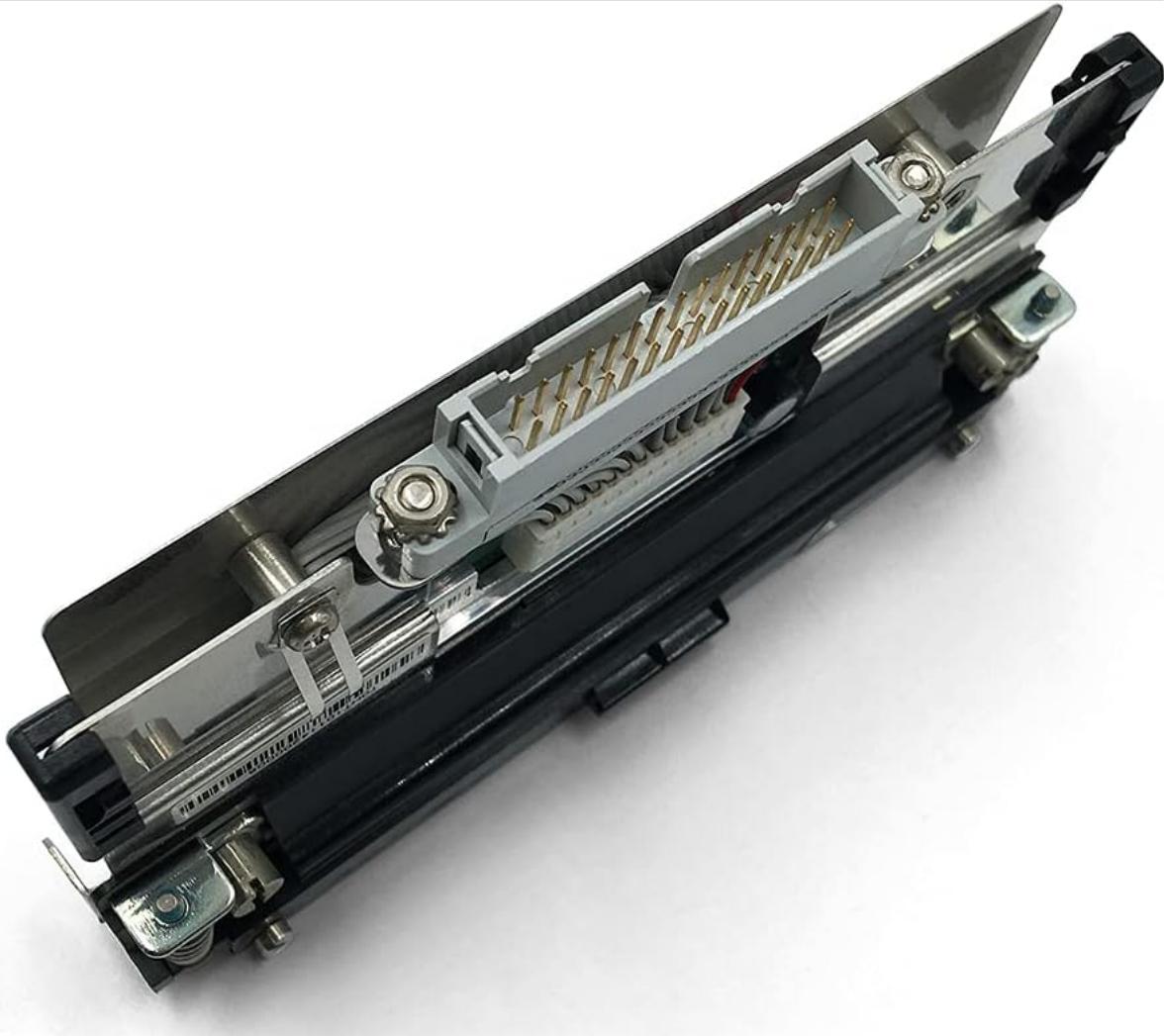


Figure 7.1: Bottom view of the printhead, displaying the array of electrical contacts. These contacts facilitate communication and power delivery from the printer to the printhead.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

This PARTS Genuine Printhead comes with a **3-month warranty** from the date of purchase. This warranty covers manufacturing defects. Damage resulting from improper installation, misuse, accident, or unauthorized repair is not covered.

8.2. Customer Support

For any product problems, questions, or concerns, please contact your supplier or the manufacturer's customer service. The supplier, GETPARTS Printer's Parts, offers a return and refund policy if the purchase is not satisfactory for any reason. Please reach out to them directly for assistance.

When contacting support, please have your purchase details, the printhead's part number (141-000045-962), and your printer model (Intermec PD41 or PD42 300dpi) readily available.

 Developer's Guide Intermec Printer Language (IPL)	<p>Intermec Printer Language (IPL) Developer's Guide: Programming and Label Design</p> <p>Comprehensive guide for developers on using Intermec Printer Language (IPL) for programming Intermec printers, including label design, fonts, graphics, advanced features, and troubleshooting. Visit www.intermec.com for more information.</p>
 Developer's Guide	<p>Intermec Printer Language (IPL) Developer's Guide</p> <p>A comprehensive guide for developers on using Intermec Printer Language (IPL) for programming Intermec printers, covering label design, command syntax, fonts, graphics, and troubleshooting.</p>
	<p>Vevor Label Printer Knowledge Base and Troubleshooting Guide</p> <p>Comprehensive guide to Vevor label printers, covering platform compatibility, usage, troubleshooting common issues, and how-to instructions for optimal performance.</p>
	<p>MakelD Q1 Label Printer Instructions and Setup Guide</p> <p>Comprehensive guide to setting up and using the MakelD Q1 Label Printer. Learn label installation, app connection via Bluetooth, and basic printer functions for efficient organization.</p>
	<p>Omezify WiFi Thermal Label Printer 4x6 - User Tips and Maintenance</p> <p>Provides essential pre-operation tips and maintenance advice for the Omezify WiFi Thermal Label Printer 4x6, including label handling and troubleshooting common issues like paper jams.</p>
	<p>Intermec Industrial, Mobile, and Desktop Printers Selection Guide</p> <p>This Intermec Printers Selection Guide provides a quick reference for industrial, mobile, and desktop printers, detailing specifications, features, and applications to help users choose the optimal printing solution.</p>

Documents - PARTS – PD41 PD42 300dpi

no relevant documents