

## User's Manual

P/N 1-960324-02  
Edition 3  
September 1998



# EasyCoder 201 II Bar Code Label Printer

 **ntermec**

A **UNOVA** Company

# Intermec EasyCoder 201 II – User's Manual

## CONTENTS

---

<b>Introduction</b>	Presentation of the <i>EasyCoder 201</i> models .....	3
<b>Get to Know Your Printer</b>	Front View .....	4
	Rear View .....	4
	Paper Stock Compartment .....	5
<b>Paper Load</b>	Tear-Off .....	6
	Peel-Off .....	7
	Big Roll .....	8
	External Supply .....	9
<b>Maintenance</b>	Cleaning the Printhead and Print Roller .....	10
	External Cleaning .....	10
	Protection Against Dust .....	10
<b>Trouble Shooting</b>	Printout Troubles .....	11

*Intermec EasyCoder 201 II*  
*User's Manual*  
*Edition 3, September 1998*  
*Part No. 1-960324-02*

# Intermec EasyCoder 201 II – User's Manual

*Information in this manual is subject to change without prior notice and does not represent a commitment on the part of Intermec Printer AB.*

© Copyright Intermec PTC AB, 1998. All rights reserved. Published in Sweden.

*EasyCoder, Fingerprint, and LabelShop are registered trademarks of Intermec Technologies Corp. Microsoft is a registered trademark of Microsoft Corporation. Windows is a trademark of Microsoft Corporation.*

## **FCC Notice United States of America**

### **WARNING:**

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

## **DOC Notice Canada**

### **Canadian Dept. of Communication REGULATIONS COMPLIANCE (DOC-A)**

This digital apparatus does not exceed the class A limits for radio noise emissions from a digital apparatus as set out in the radio interference regulations of the Canadian Department of Communication.

\* \* \*

### **Ministère des Communications du Canada CONFORMITE DE REGLEMENTS (DOC-A)**

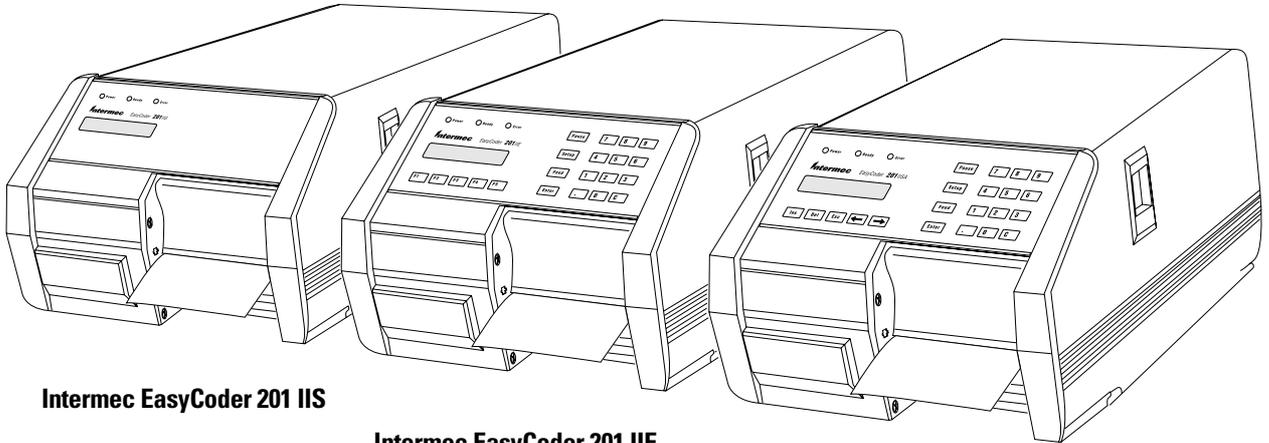
Le présent appareil numérique n'émet pas de bruits radio-électriques dépassant les limites applicables aux appareils numériques de classe A prescrites dans le règlement sur brouillage radioélectrique édicté par le Ministère des Communications du Canada.

## **VDE Notice Germany**

### **ALLGEMEINE VORSCHRIFT:**

Reparaturen oder sonstige Eingriffe, die sich nicht auf normale Bedienung der Maschine beziehen, dürfen ausschließlich nur von einem **ausgebildeten, zuständigen Fachmann** vorgenommen werden.

## INTRODUCTION



Intermec EasyCoder 201 IIS

Intermec EasyCoder 201 IIE

Intermec EasyCoder 201 IISA

The *Intermec EasyCoder 201 II* is a series of medium to heavy duty direct thermal printers. They come in three main models intended for different types of applications, each with a printhead density of either 6 or 8 dots/mm:

- **EasyCoder 201 IIS (Standard)** is mainly intended to be controlled by a host computer using standard or custom-made application software, e.g. various *Intermec LabelShop* label-design programs for *Microsoft Windows*. Being a low-cost alternative, it has fewer options than the other members of the *EasyCoder 201 II* printer family. Externally, the *EasyCoder 201 IIS* is distinguished by the absence of any built-in keyboard.
- **EasyCoder 201 IIE (Enhanced)** offers a built-in keyboard and a larger number of options in regard of computer connection. It is recommended for installations, where you want to switch between different application programs, or create your own programs in the built-in *Intermec Fingerprint* programming language or use the *Intermec Direct Protocol*. This printer model is easily recognized by its 21-key membrane setup keyboard (F1–F5).

- **EasyCoder 201 IISA** is very similar to the *EasyCoder 201 IIE* model, but is fitted with a special “Stand-Alone” software and a special keyboard, which allows the printer to be operated independently, without any computer connection.

The *EasyCoder 201 IISA* can easily be “docked” to a personal computer and loaded with label texts and formats created in the *Intermec LabelShop 3.2* label-editing program running under *Microsoft Windows*.

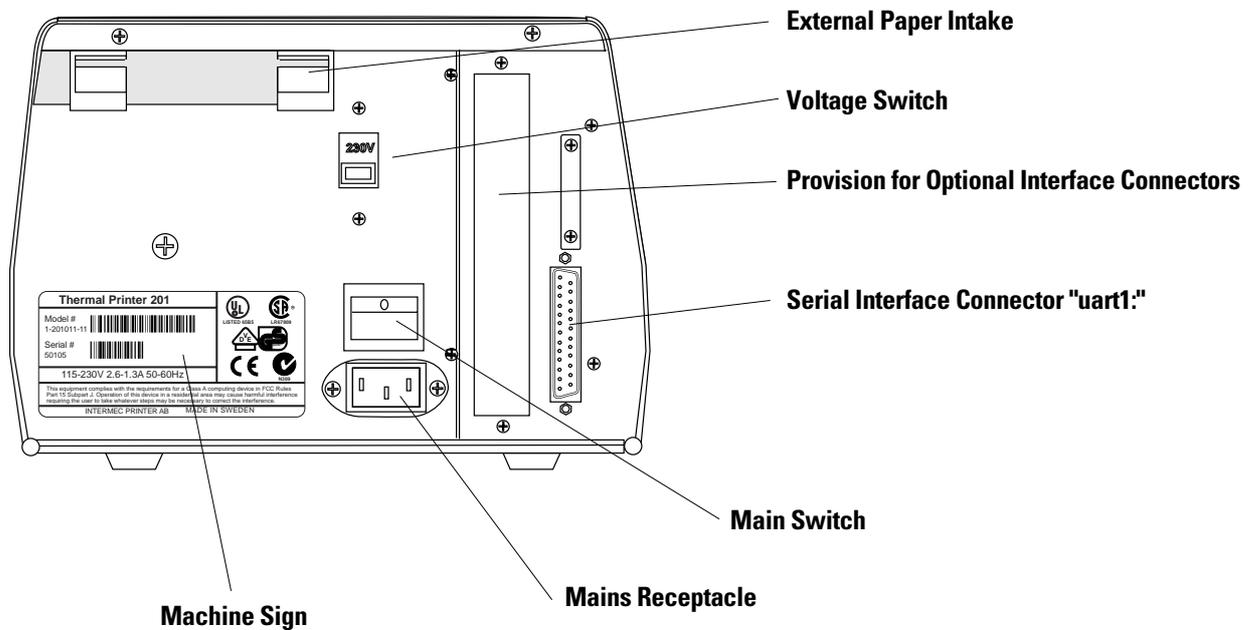
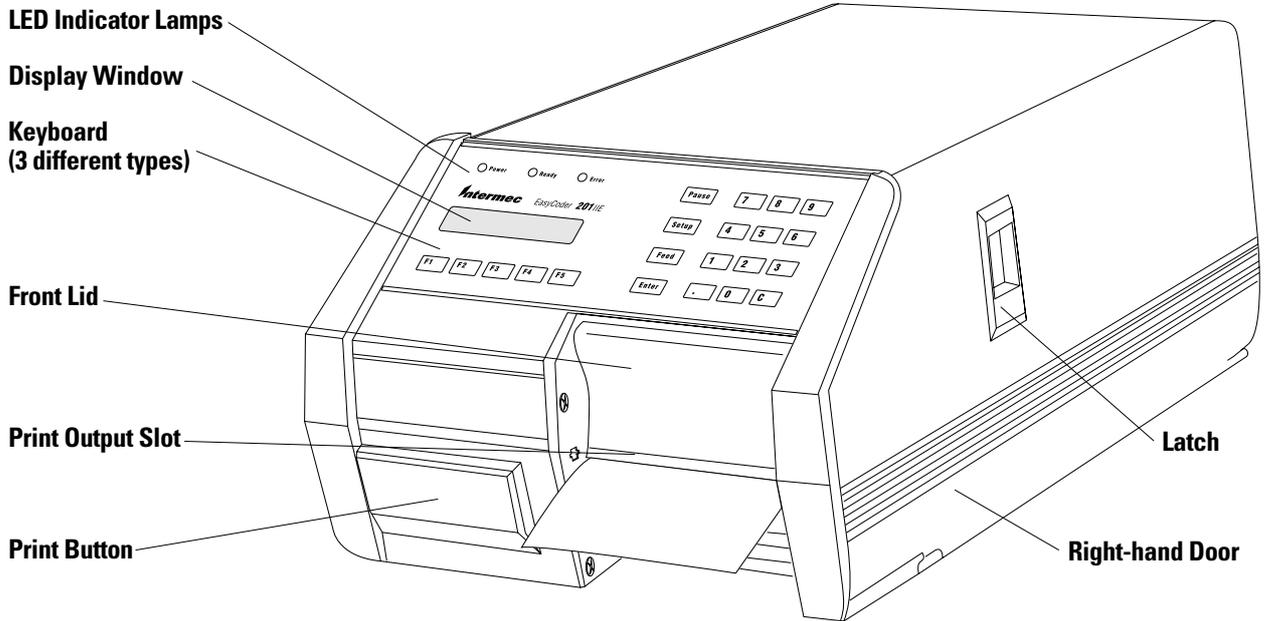
Information on the different models and options can be found in the *EasyCoder 201 II Technical Manual*, which also describes installation and computer connection.

The following manuals may also be of interest to the operator or programmer:

- *Intermec Shell 4.01 Standard, Startup Manual*
- *Intermec Shell 4.01 Enhanced, Startup Manual*
- *Intermec Stand-Alone Concept, Operating Instructions*
- *Intermec Fingerprint 6.13 Reference Manual*
- *Intermec Direct Protocol 6.13, Programmer's Guide*
- *Intermec LabelShop manuals (various versions)*

# Intermec EasyCoder 201 II – User's Manual

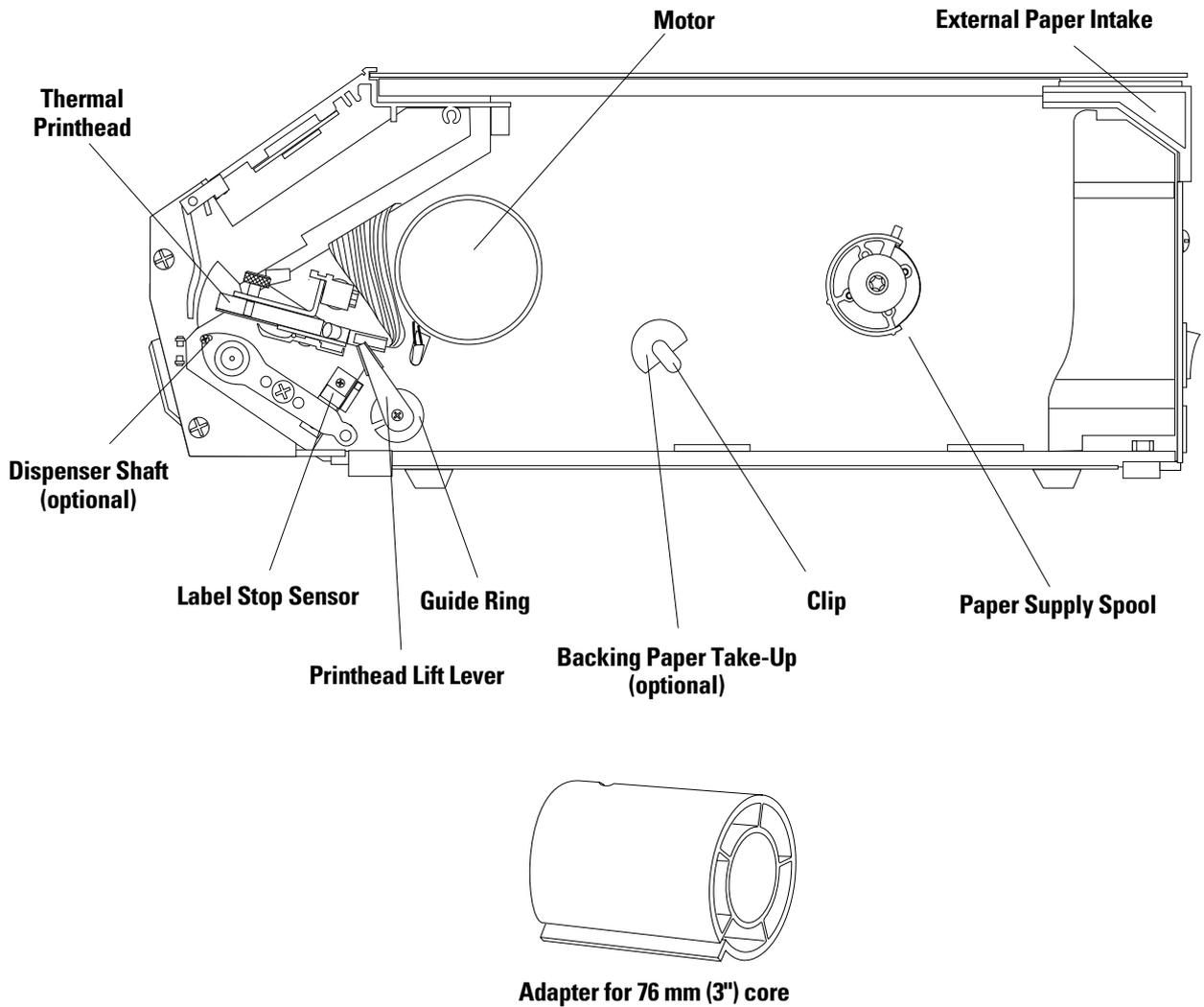
## GET TO KNOW YOUR PRINTER



*Continued!*

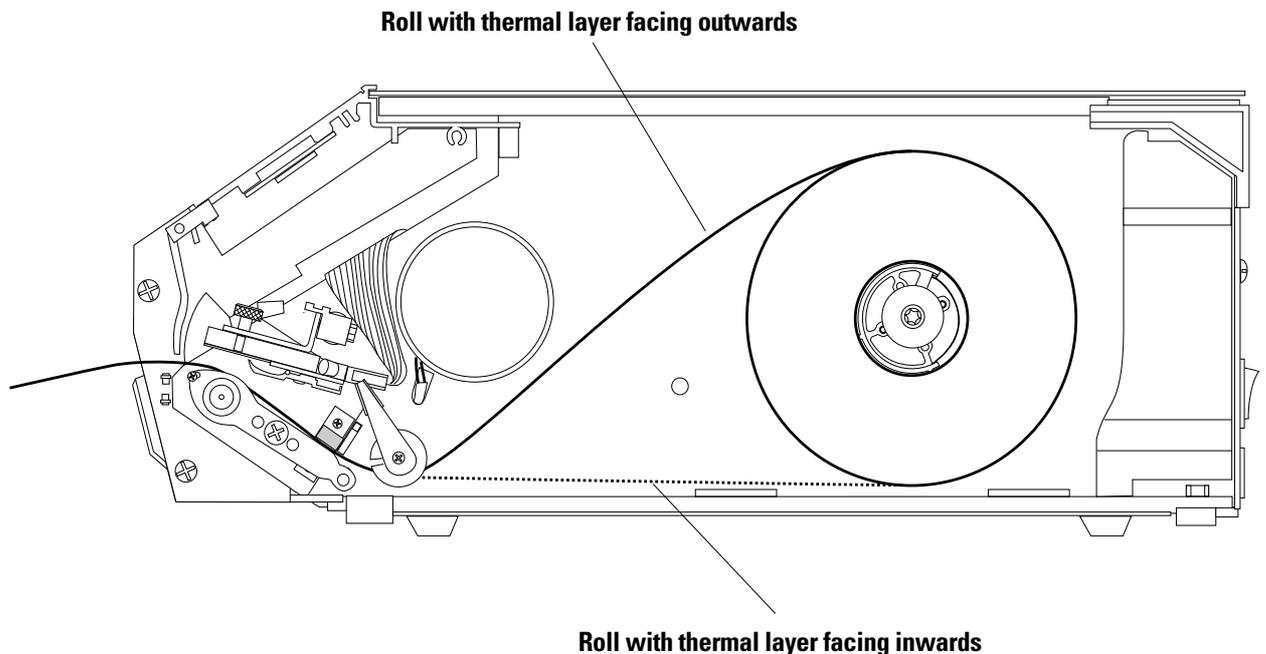
## GET TO KNOW YOUR PRINTER, cont'd.

The paper stock compartment becomes accessible when the right-hand door is swung open. Although the printer is operable when this door is left open or completely removed, you are strongly recommended to keep it closed during normal operation, so as to prevent the printer mechanism from being exposed to dust.



## PAPER LOAD

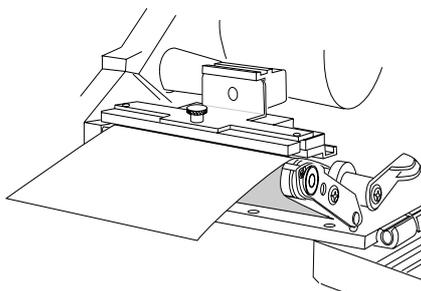
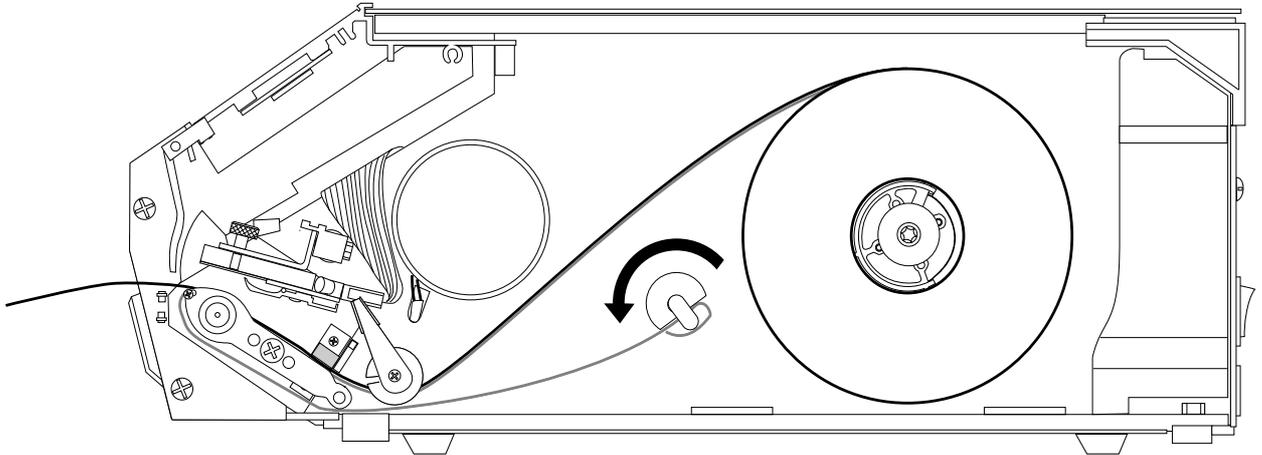
### Tear-Off



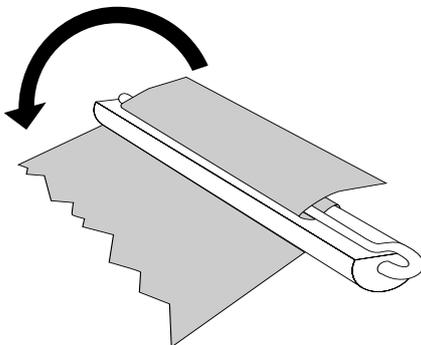
- 1 Turn the printhead lift lever counter-clockwise as far as it goes.
- 2 Fit a new paper roll on the paper supply spool and push the roll inwards as far as it will go.
- 3 Thread the paper underneath shaft of the printhead lift lever and under the upper leg of the label stop sensor.
- 4 Thread the paper past the print roller.
- 5 Adjust the green guide ring on the shaft so that the paper is guided with a minimum of play.
- 6 Turn the printhead lift lever clockwise until it snaps into locked position.
- 7 Feed out at least one label. To tear off the paper, pull it **upwards**.

## PAPER LOAD, cont'd.

### Peel-Off



*The dispenser shaft separates the labels from the backing paper.*

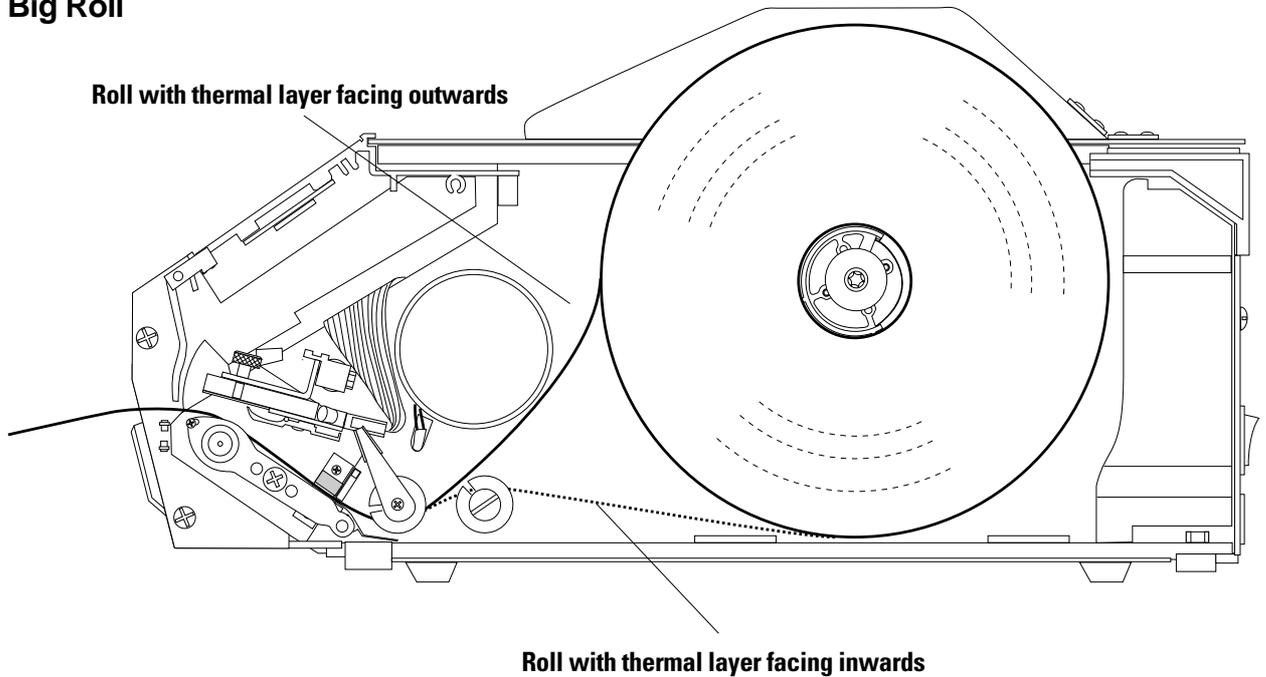


*Attach the backing paper to the take-up shaft like this. Then rotate the shaft c.c.w. a few turns.*

- 1 Turn the printhead lift lever counter-clockwise as far as it goes.
- 2 Pull out the green clip on the backing paper take-up and dispose of all wound-up backing paper.
- 3 Fit a new paper roll on the paper supply spool and push the roll inwards as far as it will go.
- 4 Thread the paper underneath the shaft of the printhead lift lever and under the upper leg of the label stop sensor.
- 5 Thread the paper past the print roller.
- 6 Remove the labels from the first 25 cm (10") of the paper web. Wrap the backing paper around the print roller and dispenser shaft, as illustrated to the left. Then thread it back under the print mechanism and the shaft of the printhead lift lever.
- 7 Fold the backing paper around the clip on the backing paper take-up as illustrated to the left. Then rotate the shaft counter-clockwise a few turns until the backing paper is firmly attached.
- 8 Tighten the paper web and adjust the green guide ring so that the paper is guided with a minimum of play.
- 9 Turn the printhead lift lever clockwise until it snaps into locked position.
- 10 Feed out at least one label.

## PAPER LOAD, cont'd.

### Big Roll

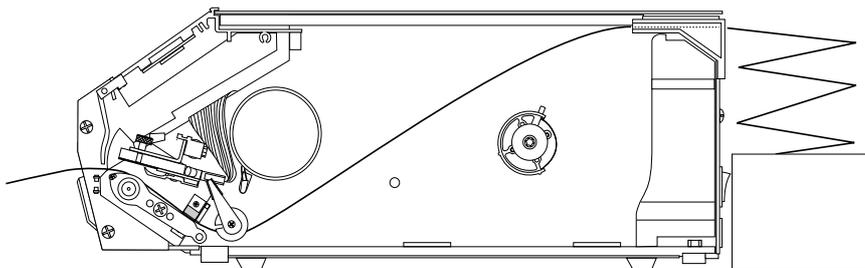


- 1 Turn the printhead lift lever counter-clockwise as far as it goes.
- 2 Fit a new paper roll on the paper supply spool and push the roll inwards as far as it will go. (If necessary, fit the 3" bobbin adapter onto the paper supply spool and secure it with the screw before fitting the paper roll).
- 3 In case of a paper roll with the thermal layer facing inwards, thread the paper above the guide shaft immediately to the rear of the printhead lift lever.
- 4 Thread the paper underneath shaft of the printhead lift lever and under the upper leg of the label stop sensor.
- 5 Thread the paper past the print roller.
- 6 Adjust the green guide rings on the shafts so that the paper is guided with a minimum of play.
- 7 Turn the printhead lift lever clockwise until it snaps into locked position.
- 8 Feed out at least one label. To tear off the paper, pull it **upwards**.

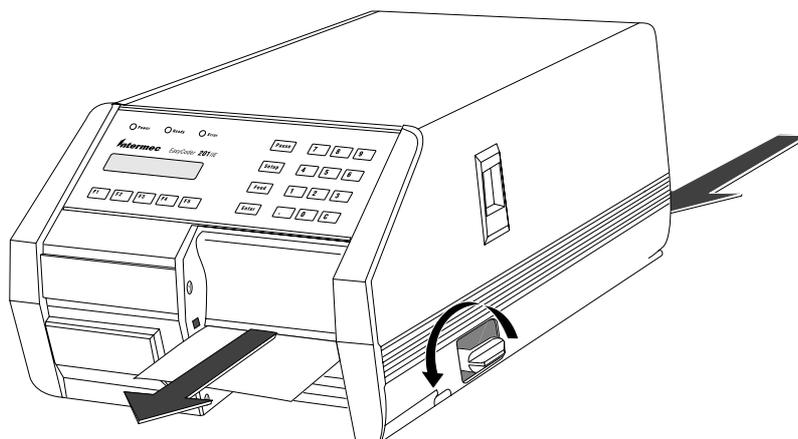
## PAPER LOAD, cont'd.

### External Supply

The *EasyCoder 201 II* printers can use various types of external supplies, e.g. boxes of fan-folded tickets or an external paper roll thanks to its external paper intake. The outer guide is adjustable for different paper widths.



The *EasyCoder 201 II Bag Tag* printer is fitted with guide rails under its bottom plate, that makes it possible to thread the paper without opening the right-hand door.



- 1 Turn the printhead lift knob counter-clockwise as far as it goes.
- 2 Pull out any remaining paper stock.
- 3 Insert the new paper web between the guides underneath the printer's rear plate. The thermal layer should face upwards.
- 4 Gently push the paper web until it protrudes through the feed-out slot at the front.
- 6 Turn the printhead lift knob clockwise until it snaps into locked position.
- 7 Feed out at least one label. To tear off the paper, pull it **upwards**.

### *Note!*

*When an external paper supply is used, take precautions to protect the paper stock from sand, grit and other hard particle, that may damage the printhead.*

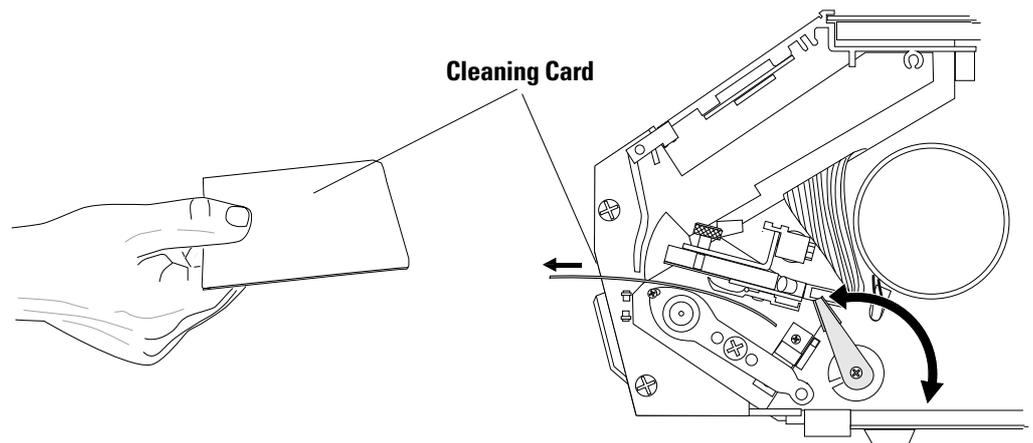
## MAINTENANCE

### Cleaning the Printhead and Print Roller

**WARNING!**  
The printhead and print roller are very delicate. Never use any tools to remove stuck labels or to clean the printhead.

*Cleaning on a regular basis is important for life of the printer and for the printout quality.*

- 1 Turn the printhead lift lever counter-clockwise and remove the paper web.
- 2 Insert a Printhead Cleaning Card into the print mechanism, allowing 2–3 cm (1") to extend in front of the printhead.
- 4 Turn the knob clockwise to locked position and slowly pull out the cleaning card. Repeat if necessary.
- 5 Using a piece of cloth or blotting paper slightly moistened with isopropanol, clean the print roller and the dispenser edge.
- 6 **Important!**  
Allow a couple of minutes for the cleaned parts to get dry before loading paper and ribbon.



### External Cleaning

Wipe the outside surfaces using a damp piece of cloth. If necessary, add a mild detergent. Be careful not to allow any water to penetrate into the interior of the printer.

**CAUTION!**  
Remove the power cord before cleaning.  
Dangerous voltage!

### Protection Against Dust

Protect paper and ribbon from dust by always keeping the stock compartment door closed. In case of an external paper supply, it is strongly recommended that both the actual supply and the web path be protected by some kind of dust cover. Dirt, sand, grit etc. may rapidly cause irreparable damage to the printhead.

## TROUBLE SHOOTING

### Printout Troubles

The list below is intended to help the operator to correct possible printout troubles or flaws in printout quality, and to decide when assistance from the Service dept. of the nearest *Intermec* distributor is required. Note that most problems are due to operating errors or normal wear of the printhead.

Symptom	Possible Cause	Remedy	Refer to
Overall weak printout	Wrong Paper type setup Low Contrast setup Worn printhead Wrong printhead voltage	Change Increase value Replace Repair CPU	Technical Manual Technical Manual TPH Install Instructions ☛ Call Service
Printout weaker on one side	Uneven printhead pressure	Adjust	☛ Call Service
Weak spots	Foreign particles on paper Poor paper quality Worn printhead Worn pressing roller	Remove Use other media Replace Replace	n.a. Technical Manual TPH Install Instructions ☛ Call Service
Overall dark printout	Wrong Paper Type setup Contrast setup too high Wrong printhead voltage	Change Decrease Repair CPU	Technical Manual Technical Manual ☛ Call Service
Excessive bleeding	Wrong Paper Type setup Contrast setup too high Faulty energy control	Change Decrease Check CPU board	Technical Manual Technical Manual ☛ Call Service
Dark lines along paper web	Foreign objects on printhead	Clean	User's Manual p. 10
White lines along paper web	Printhead dirty Missing dots on printhead	Clean Replace	User's Manual p. 10 TPH Install Instructions
Large part of dot line missing	Wrong X-start or Width setup Failing printhead Failing strobe signal	Change Replace Check CPU-board	Technical Manual TPH Install Instructions ☛ Call Service
Last part of label missing	Too small image buffer	Increase size	Technical Manual
Printout missing along inner edge	Bad paper alignment X-start setup too low	Adjust Increase value	User's Manual p. 6-9 Technical Manual

**NOTES**

---