

Cutter Installation Instructions

P/N 1-960405-02
Edition 3
September 1998



ColorCoder 901 Color Label Printer

Intermec

A **UNOVA** Company

Intermec ColorCoder 901 – Installation Instructions

CUTTER

Introduction

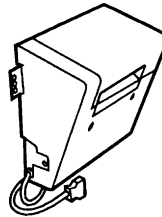
The *Intermec ColorCoder 901 Cutter* can easily be fitted on any *ColorCoder 901* printer and is used to automatically cut off the paper after printing. This optional device is an alternative to using the standard manual cutter when producing large volumes of tags. The cutter is controlled from the printer, but requires a mains outlet (100–240V AC) of its own.

Warning!

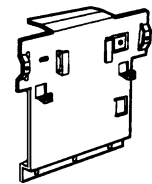
The cutter can also be used to cut backing paper between labels, but great care must be taken to avoid cutting into the adhesive, which will eventually clog the cutting shears. Thereby, the motor may be damage by overloading.

Unpacking

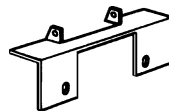
When unpacking the cutter kit, check that the following parts are contained in the package, in addition to this booklet:



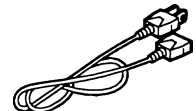
Cutter Unit



Mounting Plate



Grounding Plate



Mains Cable



Mountings Screws

M3 x 4 2 pcs.
M4 x 25 2 pcs.
M3 x 6 3 pcs.
M4 x 8 2 pcs.

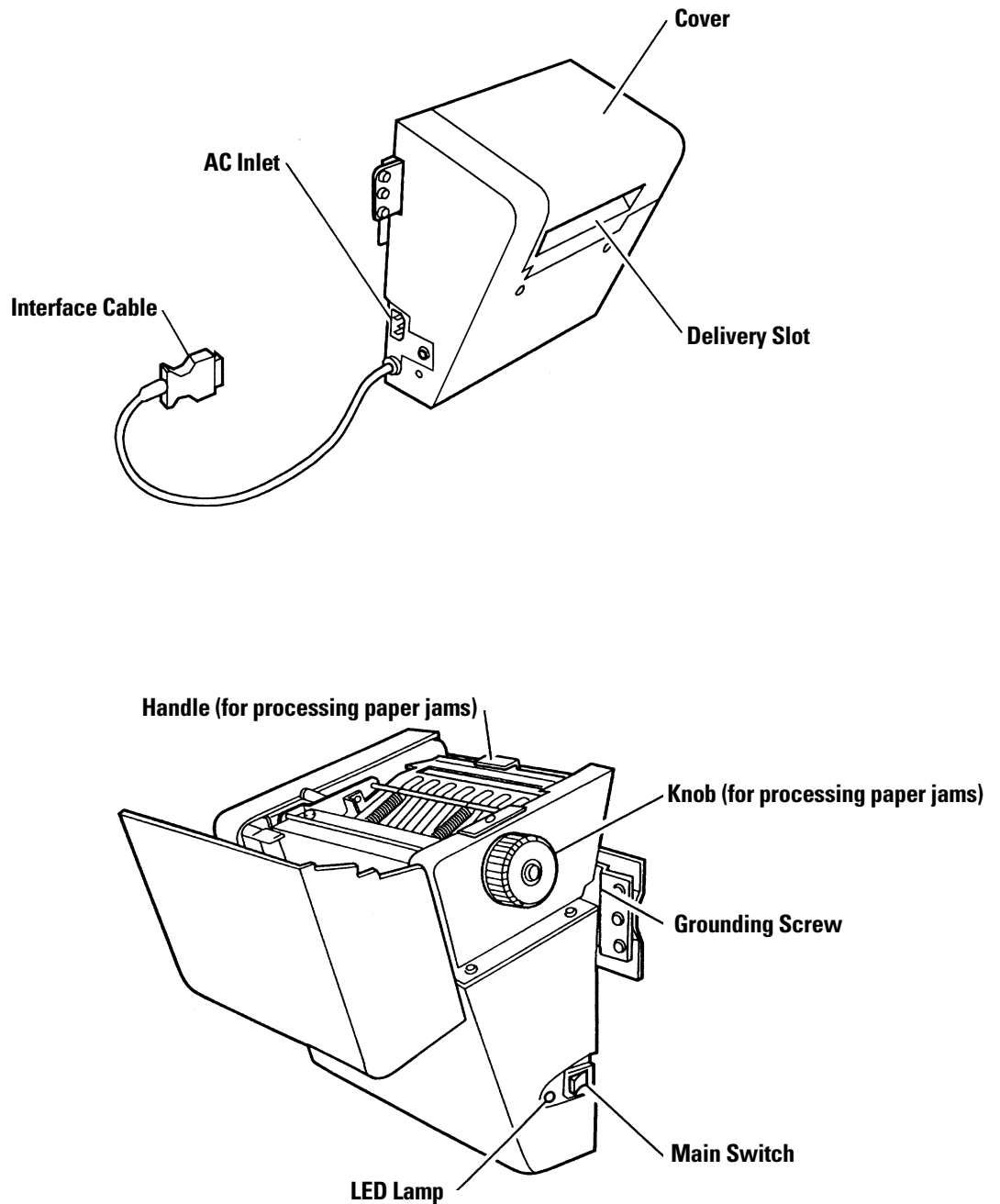
The power supply is provided with a mains cable according to European 240V AC standard. Mains cables for US and UK standard outlets can be ordered separately from your local *Intermec* distributor.

*ColorCoder 901 Cutter
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CUTTER, cont'd.

Main Parts



In this illustration, the top of the cutter unit has been opened to provide better view.

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CUTTER, cont'd.

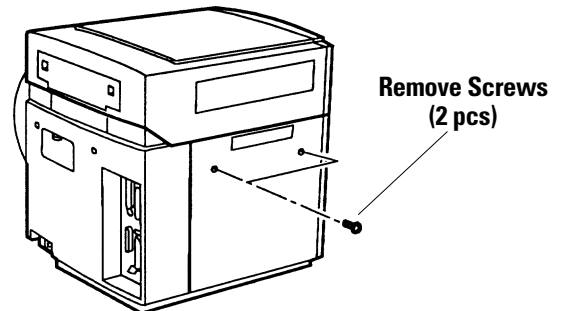
Installation

Install the cutter on the *Intermec ColorCoder 901* printer in accordance with the following procedure.

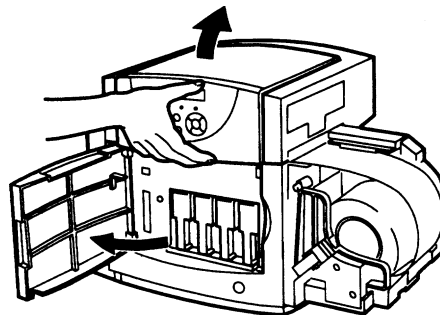
Caution!

Before starting the installation, check that the power to both the printer and the cutter is turned off.

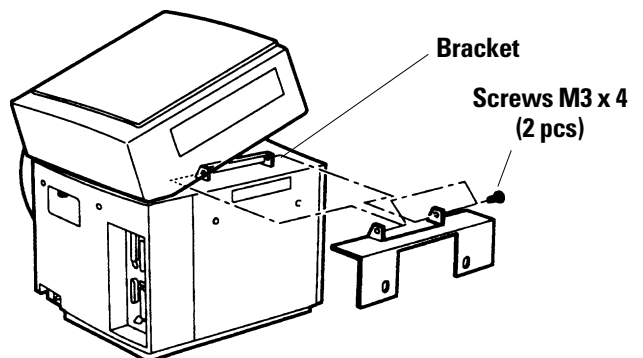
1. Remove the two screws on the cover on the delivery (left) side of the printer, or remove the manual cutter if fitted.



2. Open the front cover of the printer. Then open the PHS unit by raising the green grip.



3. Attach the cutter's grounding plate to the bracket¹ as shown below using the two M3 x 4 screws included in the kit.



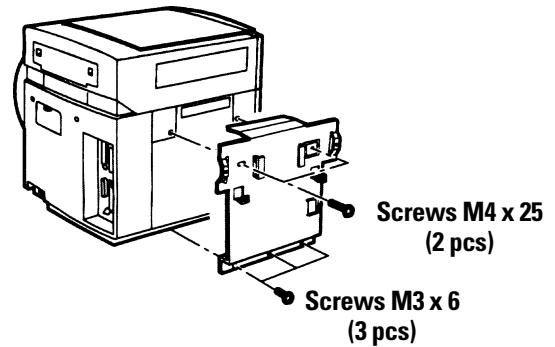
¹/. Some printers may not be fitted with such a bracket. In this case, do **not** mount the grounding plate. This will not impair the function of the cutter.

Continued!

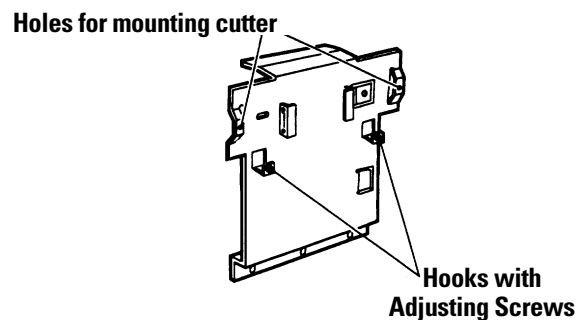
CUTTER, cont'd.

Installation, cont'd.

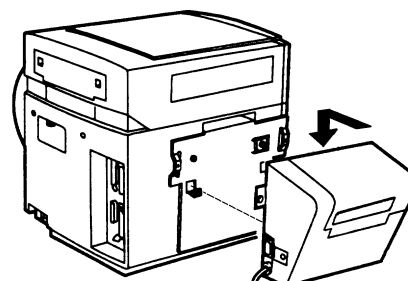
4. Attach the cutter's mounting plate to the printer using five screws included in the kit (2 pcs M4 x 25 + 3 pcs M3 x 6¹).



5. The functions of the various parts on the mounting plate are shown in the illustration below. The adjusting screws have been adjusted at factory before shipment, but may need to be readjusted in connection with eliminating an oblique cutting angle, see page 13.



6. Hang the cutter unit on the hooks (illustrated above), so the tabs on each side of the cutter become aligned with the holes on the mounting plate.



¹/. Printers not fitted with any bracket (see step 3) do not have any holes for the three screws at the bottom of the mounting plate. In this case, **omit** these screws. This will not impair the function of the cutter.

Continued!

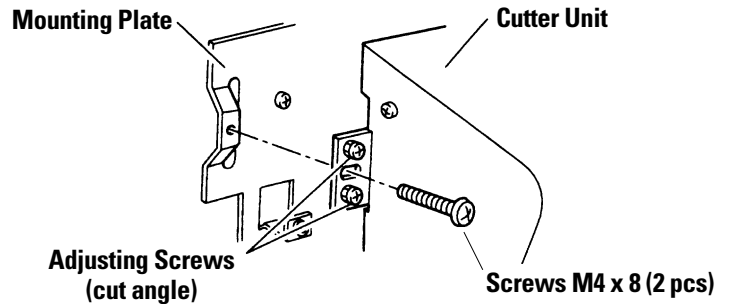
Intermec ColorCoder 901 – Installation Instructions

CUTTER, cont'd.

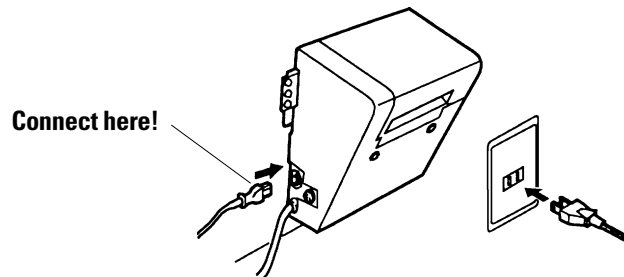
Installation, cont'd.

7. Affix the cutter by means of the two M4 x 8 screws included in the delivery – one through each tab.

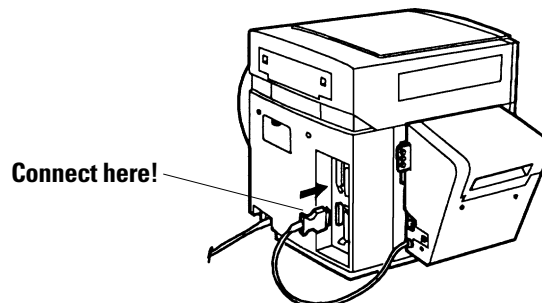
(The adjusting screws are factory adjusted. Do not change the adjustment unless in case of oblique cutting).



8. Connect the mains cord to cutter unit and then to a 230V AC mains outlet.



9. Connect the interface cable to the connector marked "Option" on the back of the printer.



CUTTER, cont'd.

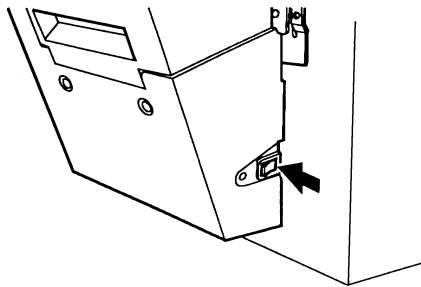
Printer Settings

Setting up the printer to use the automatic cutter involves two operations to be performed on the printer's control panel:

- Setting the output option to “Use”.
- Setting the cut interval, i.e. number of labels printed between each cutting operation.

Note that these settings will be deleted, unless they are saved using a “NVRAM SAVE” operation, see the ColorCoder 901 User's Manual.

Setting the Output Option



1. After installing the cutter on the printer, turn on the power to the cutter.

Note that you must always turn on the power to the cutter before you switch on the printer, since the printer's software can only detect the presence of a cutter at power-up.

2. Turn on the power to the printer. A message appears on the display panel:

READY

3. Press the <On line> key.

OFF LINE

4. Press the <Menu> key.

PAPER TYPE

5. Press the <Cursor right> key four (4) times, until this message is displayed:

MAINTENANCE

6. Press the <Enter> key.

TEST PRINT

7. Press the <Cursor right> key twice.

PARAM. SET.

Continued!

CUTTER, cont'd.

Setting the Output Option, cont'd.

8. Press the <Enter> key.

DATE & TIME SET.

9. Press the <Cursor right> key twice.

OUTPUT OPT.

10. Press the <Enter> key.

*NOT USE

11. Press the <Cursor right> key.

USE

12. Press the <Enter> key to select the “USE” option.

DISPLAY MODE

13. Press the <Menu> key repeatedly until this message appears:.

OFF LINE

14. From this menu, you can proceed by setting the Cut Interval as described on next page.

CUTTER, cont'd.

Setting the Cut Interval

Continuing from the previous page, proceed as follows. The display panel shows:

OFF LINE

1. Press the <Menu> key.

PAPER TYPE

2. Press the <Cursor right> key twice.

PAPER SET.

3. Press the <Enter> key.

PRINT PAGES SET.

4. Press the <Cursor right> key.

CUT INTERVAL

5. Press the <Enter> key. The default value, or previously entered value, is displayed.

The default value “99999” cuts off the paper after the last copy in the batch has been fed out.

CUT INT. =99999

6. Press the <Cursor right> key. A cursor will appear under the first digit:

CUT INT. =99999

7. The digit indicated by the cursor can be incremented one step at a time by pressing the <Menu> key and decremented by pressing the <Enter> key. The cursor can be moved left or right by means of the <Cursor left> and <Cursor right> keys respectively. Set the value according to how many labels you want to print before the cutter cuts off the paper¹.

CUT INT. =00025

¹/. Intervals:

00000 will not be accepted.

00001 cuts after each copy.

00002 cuts after every second copy.

etc.

If the interval value exceeds the number of copies in the batch, the cutter will cut off the paper after the last printed copy.

Continued!

CUTTER, cont'd.

Setting the Cut Interval, cont'd.

8. Set all digits. When the cursor is positioned at the extreme right digit of the value, press the <Cursor right> key and the cursor disappears.

CUT INT. =00025

9. Press the <Enter> key.

MARGIN SET.

10. Press the <Menu> key repeatedly, until this menu is displayed:

OFF LINE

11. Press the <On line> key.

READY

12. You are now back at the “READY” menu and can start printing and cutting labels. However, remember that the cut interval value will not be saved after power-off, unless you perform a “NVRAM SAVE” operation as described in the *ColorCoder 901 User's Manual*.

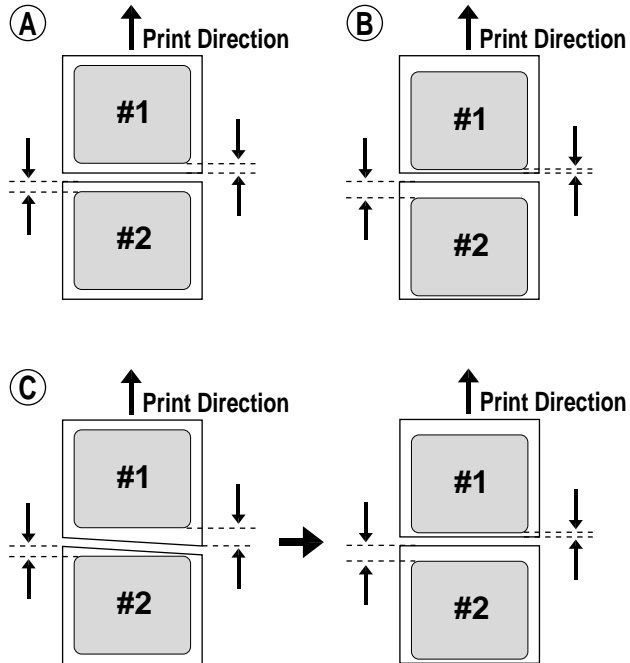
Carry out printing and cutting operations using the “Test Print” or “Mem. Card Print” routines described in the User's Manual, using 102 x 76 mm (4 x 3") label paper. If the cutting does not occur at the right place, e.g. between labels, you can adjust the cutting position as described on next page.

Continued!

CUTTER, cont'd.

Cut Angle Adjustment

Check the printout samples. Compare with the sketches below and decide whether any adjustment is required.



- A. Cutting is in parallel with the label edges and centred between labels. No adjustment is required.
- B. Cutting is in parallel with the label edges, but is **not** centred between the labels. Cutting position adjustment is necessary, see next page.
- C. Cutting is not in parallel with the labels edges, but in an oblique angle. Adjust the cutting angle as described on page 13, then adjust the cutting position – if necessary – as described on next page.

CUTTER, cont'd.

Cutting Position Adjustment

Note:

Make sure that the cutter does not cut into the front edges of the tags, or a paper feed error may occur. Rather, cut as close to the rear edges of the labels as possible.

When cutting labels, never cut into the adhesive, but take care to position the cut in the middle of the gap between two labels.

The position of the cuts in relation to the paper can be adjusted within an interval of +2.5 to -2.5 mm (± 0.098 "¹). A positive value increases the paper feed before the cutting occurs and vice versa. Larger values than + 2.5 mm or smaller than - 2.5 mm will be ignored.

Note that if the marker width or hole width is set to 7 mm or more, it may not be possible to make cuts in centre position even if the cutting position is adjusted.

Note that this setting will be deleted, unless it is saved using a "NVRAMSAVE" operation, see the ColorCoder 901 User's Manual.

1. When "READY" is shown on the display panel, press the <On line> key.

OFF LINE

2. Press the <Menu> key.

PAPER TYPE

3. Press the <Cursor right> key four times.

MAINTENANCE

4. Press the <Enter> key.

TEST PRINT

5. Press the <Cursor right> key.

POSITION ADJ.

6. Press the <Enter> key.

V-NOZZLE ADJ.

7. Press the <Cursor right> key three times.

CUTTER POS.ADJ.

8. Press the <Enter> key.

CUTTER POS.= 0.0

¹/₂. If you find yourself unable to adjust the cutting position to coincide with the perforation, check that the black mark is positioned correctly, as specified in the User's Manual, or consult your local Intermec Sales office.

Continued!

CUTTER, cont'd.

Cutting Position Adjustment, cont'd.

9. Press the <**Right cursor**> key. A cursor appears in front of the first digit.

CUTTER POS. = 0.0

10. The position in front of the value is used to select a positive or negative value, where positive value is indicated by a blank space and a negative value by a minus (-) sign. Press the <**Menu**> or <**Enter**> key to toggle between positive and negative values.

The cursor can be moved left or right by means of the <**Cursor left**> and <**Cursor right**> keys respectively. The position indicated by the cursor can be incremented one step at a time by pressing the <**Menu**> key and decremented by pressing the <**Enter**> key. Set the value according to how many millimetres more (+) or less (-) of paper feed needs to be performed before the cutter is activated.

CUTTER POS. = -0.5

11. When the value has been set, move the cursor to the last digit in the value and press the <**Cursor right**> key. The cursor will disappear.

CUTTER POS. = -0.5

12. Press the <**Enter**> key to set the cutter position value.

V-NOZZLE ADJ.

13. Press the <**Menu**> key three times.

OFF LINE

14. Press the <**On line**> key.

READY

15. The printer is now ready to print and cut labels.

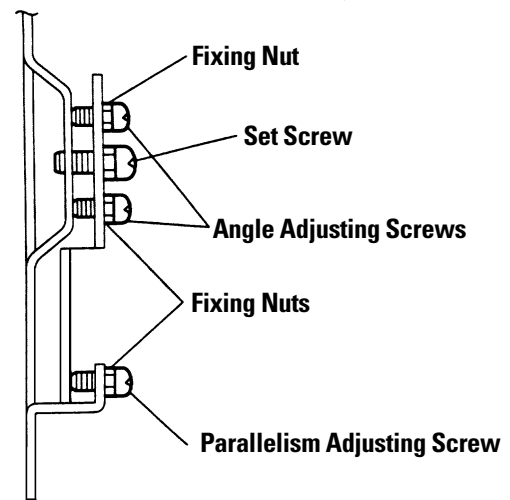
Remember that this setting will not be saved after power-off, unless you perform a “NVRAMSAVE” operation as described

CUTTER, cont'd.

Cutting Angle Adjustment

If the paper is cut off in an oblique angle relative to the front and rear edges of the labels, the mounting angle between printer and cutter needs to be adjusted as described below.

1. Adjust the cutting angle with the adjusting screws on the rear side of the cutter. Remove the two set screws that affix the cutter to the mounting plate.



2. Loosen the fixing nuts, rotate the angle adjusting screws, and correct the amount of protrusion of the screw in the direction which the oblique cutting is to be corrected.
3. Tighten the two set screws and print some labels again to confirm the cutting position.
4. Repeat steps 1 – 3 until the cutting is perfectly in parallel with the front and rear edges of the labels.
5. If necessary, adjust the cutting position, as described on page 11, so the cutting is performed in the centre of the gaps between the labels.
6. Adjust the vertical parallelism between the mounting plate and the cutter unit. Loosen the fixing nuts of the parallelism adjusting screws, rotate adjusting screws to make the clearance between the mounting plate and the cutter unit parallel vertically, and tighten the fixing nuts.
7. Print several more labels and confirm that the cuts are positioned correctly.

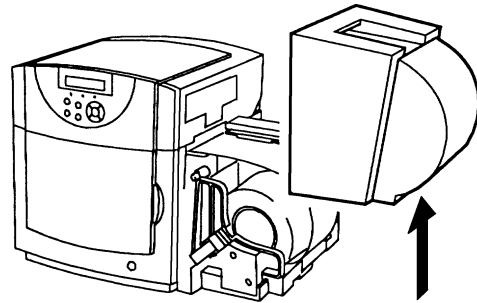
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CUTTER, cont'd.

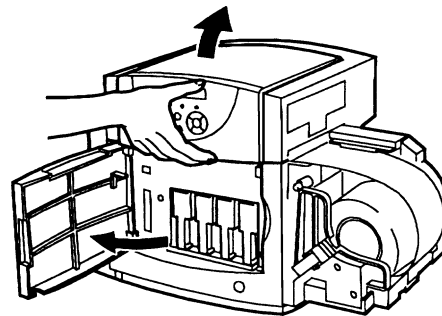
Processing Paper Jams

If a paper jam occurs during the use of the automatic cutter unit, carry out the following procedure:

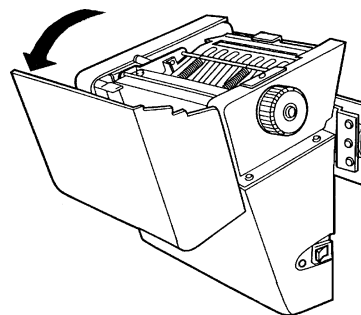
1. Remove the printer's roll cover.



2. Open the front cover of the printer and lift the PHS unit by pressing the green grip under its front edge.



3. Open the cover of the cutter unit by tilting it up and to the left.



Continued!

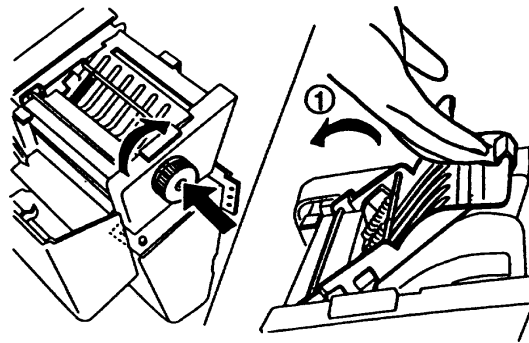
CUTTER, cont'd.

Processing Paper Jams, cont'd.

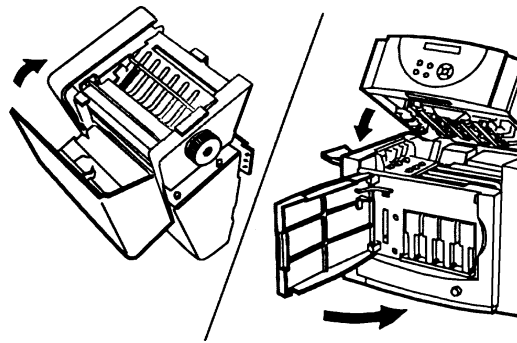
4. Remove the paper jammed inside the cutter by pressing the handle while turning it clockwise (as indicated by the arrows). Then open the plate above the paper web by means of the white plastic handle and take out the jammed paper. Check for torn or pieces of labels stuck to the interior of the cutter. If left there, they may cause new paper jams.

Caution!

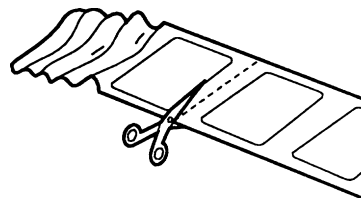
The blade of the cutter is sharp – do not touch!



5. Close the cutter cover, the PHS unit, and the front cover of the printer, in that order.



6. Cut off any wrinkled or creased parts of the paper and load the paper again (see *ColorCoder 901 User's Manual*).

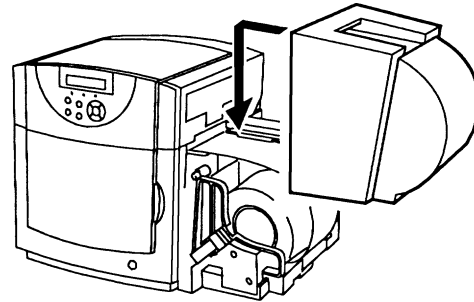


Continued!

CUTTER, cont'd.

Processing Paper Jams, cont'd.

7. Attach the roll cover.



8. The message "RECOVER PAGES=XX" appears on the display panel.

Use the **<Cursor left>** and **<Cursor right>** keys to enter the number of sheets lost because of the paper jam, then press the **<Enter>** key to recover the copies that did not print properly and to continue printing.

To cancel printing, press the **<Stop>** key.

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CUTTER, cont'd.

Specifications

Type:

Rotary type automatic cutter.

Installation Method:

Affixed with mounting plate and screws to printer's delivery slot.

Manual Controls:

Power switch

Paper Feed Speed:

150 mm/sec. (6"/sec.).

Cutting Speed:

Corresponds to paper feed of 150 mm/sec. (6"/sec.).

Power Consumption:

30 W

Power Supply:

100 – 125 V AC, 60 Hz.

220 – 240 V AC, 50 Hz.

Dimensions and Weight:

Increases the printer's width by 158 mm (6.22") when fitted.

Weight: 4.5 kg (9.9 lbs)

Service Conditions:

Temperature: +5° to +35° C (+41 to +95°F)

Humidity: 10 – 90% *non condensing*

Service Life:

5 years, or 1,500,000 cuts whichever comes first.

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

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NOTES
