



**SIEMENS**

# **Teleprinter Model 1000 V**

## **Operating Instructions**

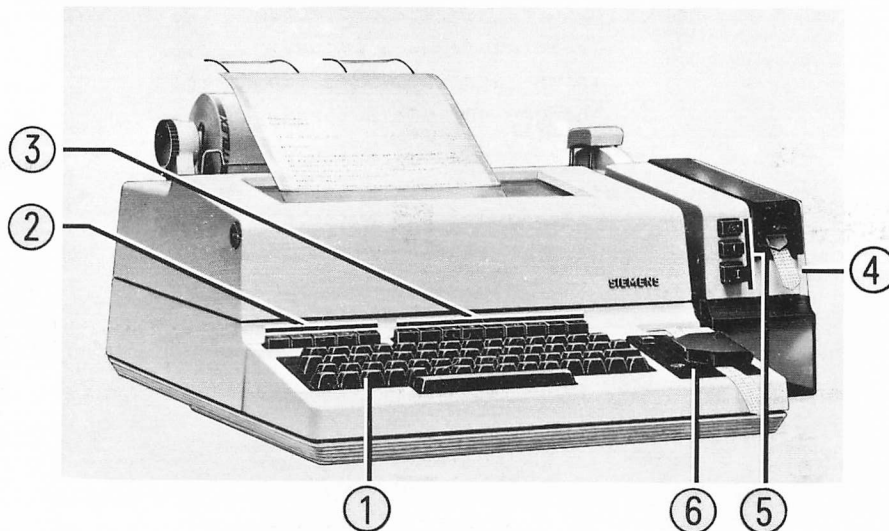
## Contents

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# 1

## Teleprinter Model 1000 V



1

② Manual controls for switching functions

⑤ Tape punch control buttons

③ Manual device controls

⑥ Tape reader

# 2

## Keyboard controls

### Keyboard



#### Bell

The distant station operator is called to the teleprinter



#### Run-out

The last character entered is repeated as long as this key is held depressed, except in the case of umlauts and "New line".



#### Carriage return



#### New Line



#### Line feed



#### Figures shift



#### "Who-are-you"

Answerback code of the distant station is requested and printed



#### Space



#### Letters shift

Also for setting up a connection via a point-to-point private line and for correcting the paper tape

## 2 Keyboard controls

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### Manual controls for switching functions



Call button



Local (off-line) button



Disconnect button



Button for continuous  
line working



not assigned

### Machine control buttons



#### „Unlock keyboard“ button

Blocking of keyboard is indicated by light if

1. maximum typing speed is exceeded
  - deletion by pressing the unblock button —
2. line end is reached
  - deletion by pressing the carriage return key —



#### „Here-is“ button

The answerback of your station is transmitted and printed out



#### "Printer On/Off" button

Printer is deactivated, tape punch is activated and all characters are punched (including Figs. Side D)

## 2 Keyboard controls

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### Paper feed button

The paper of the home machine only is fed forward for as long as the button is held depressed. When the paper feed button is pressed briefly, the paper is advanced by 1/4 of the line spacing



### Letters/figures shift button

Effective only for the home machine  
and shifts it from upper  
case to lower case and vice  
versa



### "Data medium ON" button

Tape punch or magnetic tape unit are constantly ON



### Output-blocking button

Text is read, but not printed,  
punched or sent



### Button

"Reset alarm"  
Bell alarm is deactivated

or



### Switch

"Answerback transmission  
blocked"



### Indicator

"Power ON"

Power supplied is indicated  
by lighting of lamp

# 3a

## Preparing a punched tape in local mode

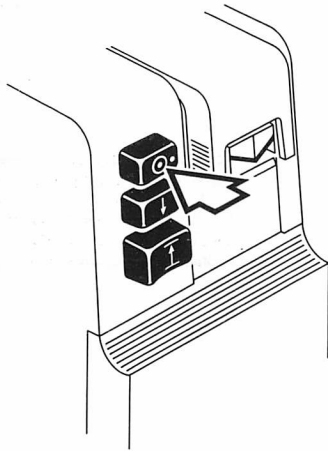


**1** Press Local button

**Light ON**



Printer carriage travels to the start-of-line position  
Paper is advanced one line  
Copy light is switched on



**2** Press ON/OFF button

**Light ON**



# 3a

## Preparing a punched tape in local mode

---



or



**3** Press New Line key

Printer carriage travels to the start-of-line position.  
Paper is advanced one line.

Character instructions are punched according to programming: CR LF CR

or

CR LF

or

CR CR LF

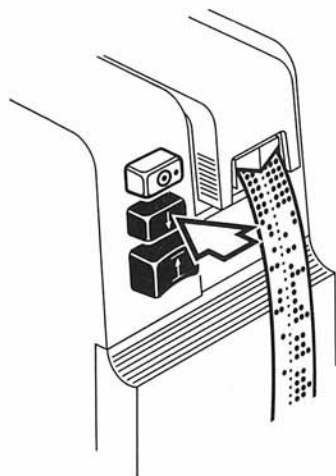


or:  
Press Carriage Return key  
and Line Feed key.

1	2	3	4	5	6	7	8	9	0	( )	⌘	...
/	Q	W	E	R	T	Z	U	I	O	P	Ü	+ = ?
<	A	S	D	F	G	H	J	K	L	Ö	Ä	' ←
≡	1...	Y	X	C	V	B	N	M	.	-	: ;	⌘ A

**4** Type the message

Message is punched into tape and printed



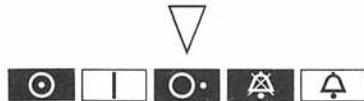
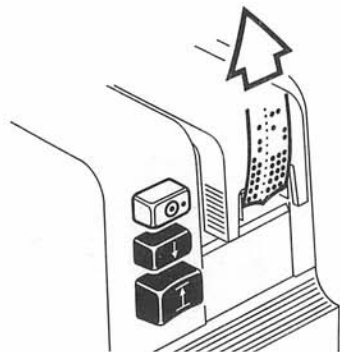
**5** Press the tape feed button until the all-space code combination (5 holes) appears several times.

Note:

After each depression of this button either case shift key (**A** or **1...**) on the keyboard must be pressed before typing is continued

# 3a

## Preparing a punched tape in local mode



6 Tear off punched tape upwards

7 Press Disconnect button

Lights OFF in Local and tape punch ON/OFF buttons



Tape punch remains activated if "Data medium ON" switch has been pressed

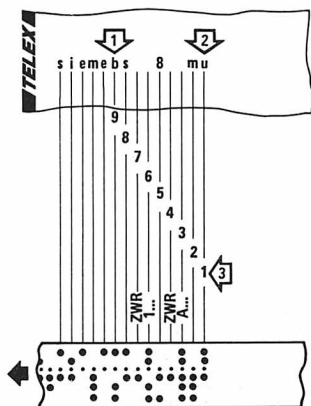
Tape punch is deactivated if "Data medium ON" button has not been pressed. Local mode is interrupted by an incoming message. Line working is started.

Possible functions:

- Tape verification )
- Tape duplication ) See section 5
- Printer deactivation )

# 3b

Correcting the tape in local mode by overpunching

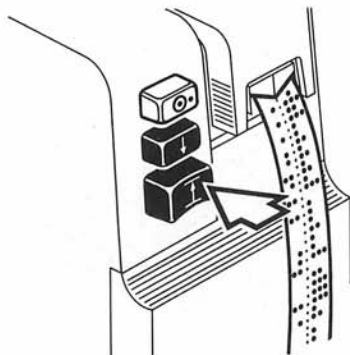


1 Incorrect character typed here

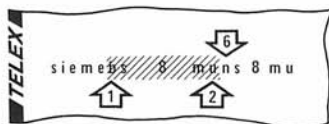
2 Incorrect character noticed here

3 Counting the character spaces from  $\downarrow 2$   $\rightarrow$   $\downarrow 1$   
 Result: 9 character spaces


# 3b Correcting the tape in local mode by overpunching



A...



4 Press Backspace button 9 times as far as it will go

Note: When changing the line with the New Line key  :  
Press Backspace button 2 or 3 times depending on programming.

(see Section 3a, item 3)

When changing the line with  .  : Press Backspace button twice.  
With umlauts: Press Backspace button twice.

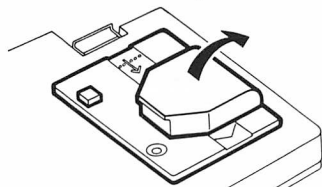
5 Press Letters Shift key 9 times

6 Type the incorrect character correctly, retype the following text,  
then continue typing the message.

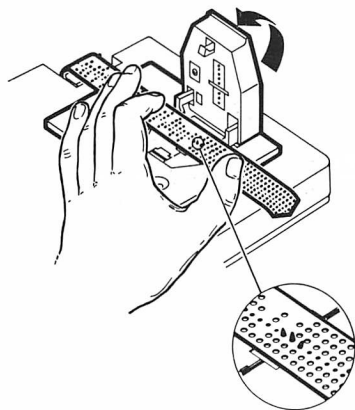
# 3c

## Correcting errors in the tape by duplicating

---



1 Open the tape retainer



2 Insert paper tape and press down  
Close the tape retainer

**Note direction of tape feed**

Two rows of punched holes to the left of the pin feed holes, and three to the right

The pins of the feed wheel must engage in the feed holes

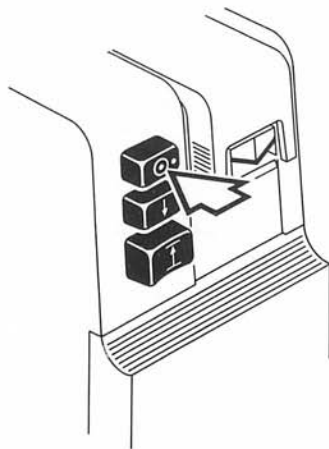
# 3c Correcting errors in the tape by duplicating



3 Press Local button


Light ON

Printer carriage travels to the start-of-line position  
Paper is advanced one line  
Copy light is switched on

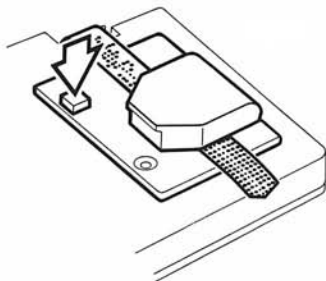


4 Press ON/OFF button

Light ON

(not necessary if "Data medium ON" button  is pressed)





**5** Press ON/OFF button

**Light ON**

The punched tape is read  
The message is sent and printed out  
Single-character feed:  
Strike ON/OFF button briefly



and

depress button several  
characters before the first  
incorrect character


Tape reader stops

**6** Briefly press reader "ON/OFF"  
button as many times (step-  
by-step tape feed) until  
last correct character is  
printed.

# 3c

## Correcting errors in the tape by duplicating

---

- 7 Keep "XMTR lock" button  depressed and simultaneously perform single character feed operations until the last undesired character has been read.  
Release "XMTR lock" button.

(Feed paper tape manually if "XMTR lock" button is not installed)

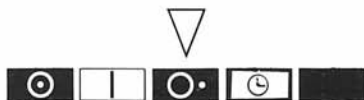
- 8 Type correct characters into the keyboard if necessary.

- 9 Press tape reader "ON/OFF" button      Reading of tape is continued

- 10 Press disconnect button

Lights OFF in Local and tape punch ON/OFF buttons

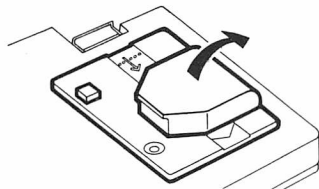
Tape punch remains activated if "Data medium ON" switch is pressed.



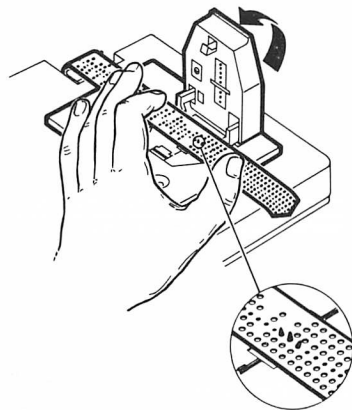
# 4a

## Transmitting the punched tape

---



1 Open the tape retainer



2 Insert paper tape and press down  
Close the tape retainer

### Note direction of tape feed

Two rows of punched holes to the left of the pin feed holes, and three to the right

The pins of the feed wheel must engage in the feed holes

# 4a

## Transmitting the punched tape

---



**3** Press call button

Light ON



**The connection is established**

Printer carriage travels to start-of-line position  
Paper is advanced one line  
Copy light is switched on

or

for point-to-point leased lines:

Press Letters Shift button

**A...**

**4** Press "Who-are-you" key

The answerback code of the distant subscriber is printed out

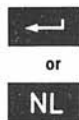
(not required in connection with electronic data switching systems; answerback code is printed automatically)

**\***



**5** Press "Here-is" button

The answerback of your own station is transmitted and printed out



**6** Press "New Line" key

Printer carriage travels to the start-of-line position.  
Paper is advanced one line.

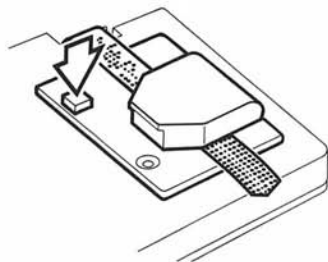


Or:  
Press carriage return key  
and line feed key

Printer carriage travels to the start-of-line position  
Paper is advanced one line

# 4a

## Transmitting the punched tape



7 Press ON/OFF button

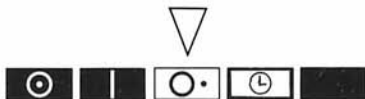
Light ON

The punched tape is read  
The message is sent and printed out  
Single-character feed:  
Strike ON/OFF button briefly



8 Press "Who-are-you" key

The answerback code of the distant  
subscriber is printed out



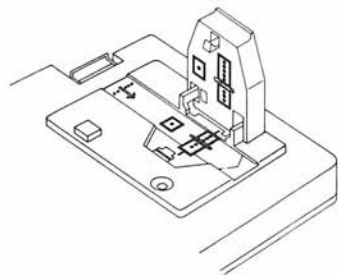
9 Press Disconnect button

Light OFF



or

teleprinter is turned off  
automatically 40 seconds after  
printing of the last character



**Cleaning the tape reader**

Open the tape retainer  
Clean reading point using a soft cloth  
Close tape retainer

**Possible functions:**

Punching the outgoing message  
on tape

Turning printer off

Starting continuous line  
working.

)  
see Section 5

# 4b

Transmitting a message, type text into keyboard

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- 1 Establish connection:  
As per items 3...6 in Section 4a

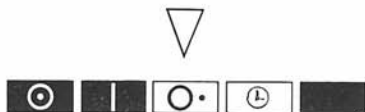


- 2 Type text on keyboard

- 3 Clear down connection  
As per items 8 and 9 in Section 4a

# 4c

## Receiving a message on the teleprinter



**1** A message is received

Light ON  
Audible signal ON  
**Message received  
is printed**



**2** Press disconnect button  
or

Light OFF  
Audible signal OFF



Teleprinter switches off  
automatically 40 seconds  
after the last character  
has been received

**3** Press "Paper Feed" button until the text is outside  
of the tear-off edge. Tear paper off to the front  
along the tear-off edge.

Possible functions:

Punching incoming character on paper tape )  
Deactivating printer )  
Break-in )  
Starting continuous line working )

see section 5

# 5

## Optional features

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### Deriving a page copy from punched tape during local operation (Print out)

Insert paper tape in reader  
Press local button  
Press ON/OFF button on reader  
Press disconnect button after tape has been read

### Duplicating a punched tape during local operation

Insert tape in tape reader  
Press local button  
Press ON/OFF button on tape punch  
Press ON/OFF button on tape reader  
Press disconnect button after tape has been read

Turn printer off

Press "Printer ON/OFF" button




Printer is turned off

Tape punch is turned on

Text is punched but not printed

#### **Punching the outgoing message into paper tape**

Establish connection

Press ON/OFF button on tape punch (not required if "Data medium ON" button  has been pressed)



The tape punch is switched off by pressing the disconnect button

#### **Punch incoming message on tape**


Press "Data medium ON" button 


As long as the switch is held depressed, the incoming message is punched into paper tape

#### **Breaking-in**

Reception of a tape message can be interrupted by the receive-station operator by pressing button  or  several times

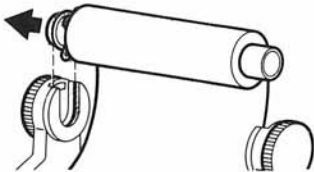
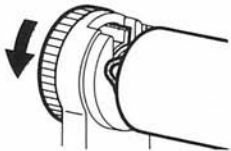
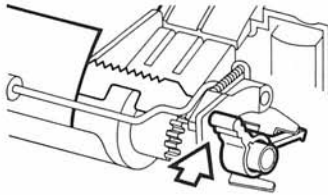
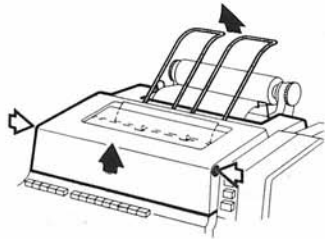
#### **Start continuous line working**

Press "Button for continuous line working"  while transmitting or receiving:

Line working can only be ended by pressing the disconnect button 

# 6

## Replacing the paper roll



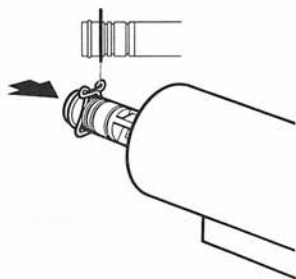
If a colored stripe appears on the edge of the paper, the paper roll must be replaced before the next message is sent or received

Before opening cover lid withdraw ac power connector

- 1** Open the cover lid  
Swing the paper deflection  
frame to the front

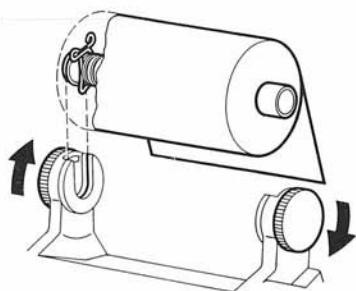
Lamp flashes

- 2** Move paper pressure lever backwards  
For mobile use only:  
Unlatch paper roll axle on both sides  
Remove the old paper roll and pull the rest of paper backwards and out  
Pull paper roll axle out of the old roll



- 3** Push the paper roll axle into the new paper roll until it makes contact with the wire clip

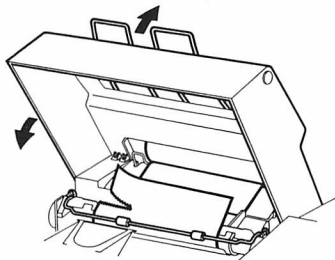
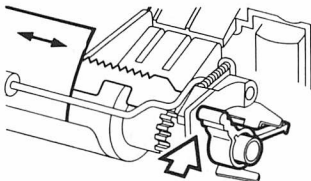
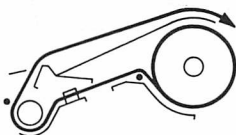
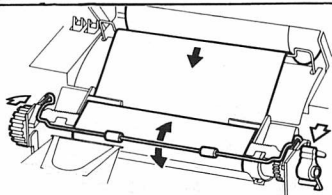
The paper must unwind as shown in the picture  
The wire clip always rests in the outermost groove



- 4** Load the new paper roll into the holder  
(Latch up the paper roll when the teleprinter is in mobile use)

Ring-shaped collar must always rest in the groove of the left-hand roll holder

# 6 Replacing the paper roll



- 5** Feed the paper over the pull relief rod and insert it under the platen  
Swing the paper pressure lever to the front  
Swing the paper pressure rod upwards  
Wind the paper around the platen and feed it under the paper pressure rod  
Swing the paper pressure rod downwards

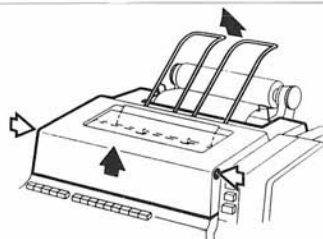
(To align the paper, swing the paper pressure lever backwards)

- 6** Tear off paper along the tear-off edge  
Close cover lid  
Move paper deflecting frame backwards

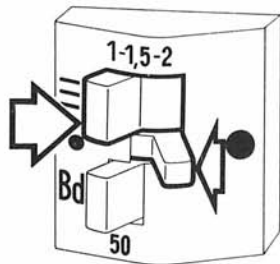
# 7

## Adjusting the line spacing and print force

Before opening cover lid withdraw ac power connector



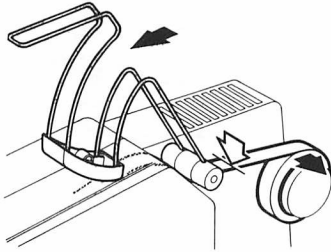
- 1** Open the cover lid  
Swing the paper deflection  
frame to the front



- 2** **Line spacing**  
1: single line spacing  
1,5: 1 ½ line spacing  
2: double line spacing
- 3** **Print force**  
Left position of lever: single copy (no carbon copy)  
Right position of lever: up to four copies (up to three carbon copies)

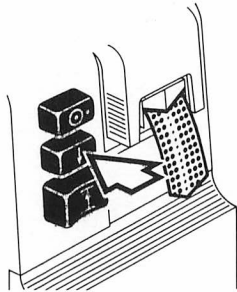
# 8

## Replacing the paper tape roll

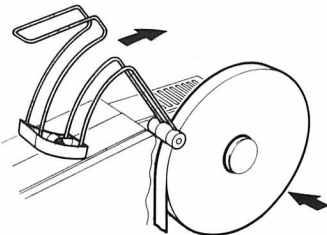


When the colored warning stripe becomes visible while the tape is being unwound, the paper tape roll must be changed before the next message is sent or received

- 1** Swing guide rod upwards  
Tear off paper tape  
Remove the old tape roll from core

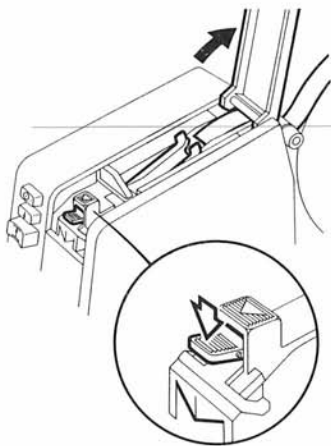


- 2** Press the tape feed button until the rest of paper tape has run out of the tape punch



- 3** Place the new paper tape roll over core  
Swing guide rod back into position

The tape must unwind as shown in the picture



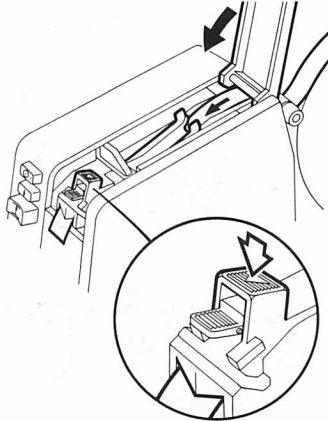
**4**

Advance paper tape in the  
tape punch until it has  
reached the beginning of the  
tape guide  
Open the cover  
Press on tape gate

The tape gate swings upwards

# 8

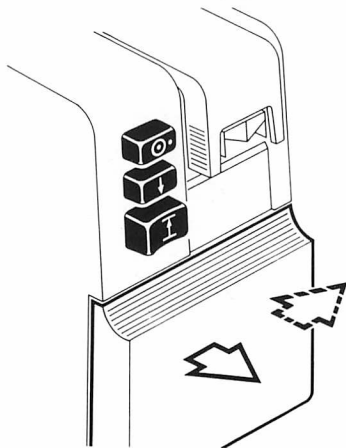
## Replacing the paper tape roll



- 5** Push the tape further until it emerges from the punch at the front  
Press on the tape gate

The tape gate latches  
The tape is automatically fed forward by 32 spaces and punched (5-hole combinations)

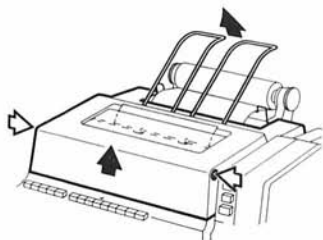
Close the cover. Tear off punched tape upwards



- 6** Pull chad waste box out to the front or sideways and empty  
(Do this every time the tape roll is changed)

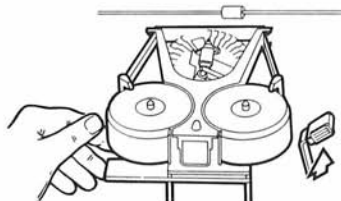
# 9

## Replacing the ink ribbon

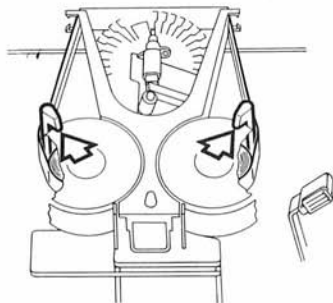


Before opening cover lid withdraw ac power connector

- 1** Open cover lid  
Swing paper deflecting  
frame to the front



- 2** Press the lever backwards and swing the printing mechanism up until it  
latches



- 3** Press lever in the direction of the arrow and pull ribbon spools off the guide  
pins. Remove ink ribbon from lateral guide and pull upwards and out of guide  
plate slot

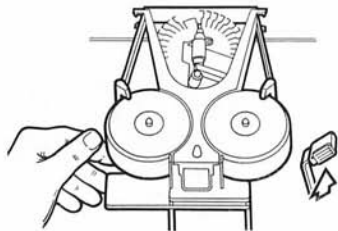
# 9

## Replacing the ink ribbon

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- 4** Hook free ribbon end of new ribbon spool to an empty spool just as you do when replacing a typewriter ribbon. Place one ribbon spool in position. Ensure red side of ribbon points upwards. Insert ink ribbon in the first lateral guide on the ribbon guide fork, in the guide plate slot and the second lateral guide. Install second ribbon spool



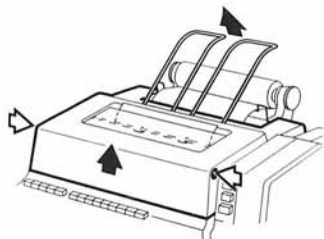
- 5** **Press lever backwards**

Printing mechanism swings downwards and latches up

- 6** Tear paper off along the tear-off edge  
Close the cover lid  
Move paper deflecting frame backwards

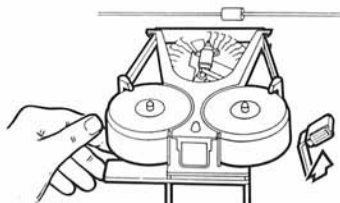
# 10

## Replacing the print wheel

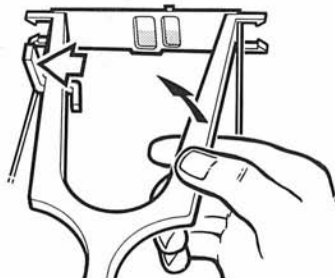


Before opening cover lid withdraw ac power connector

- 1 Open the cover lid  
Swing paper deflecting  
frame to the front

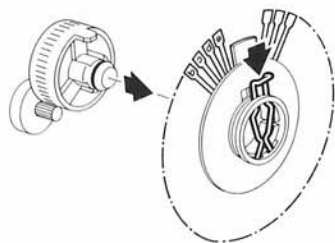


- 2 Press lever backwards and swing the printing mechanism upwards  
until it latches

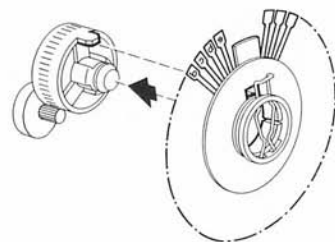


- 3 Disengage ribbon guide fork and swing upwards

# 10 Replacing the type disk



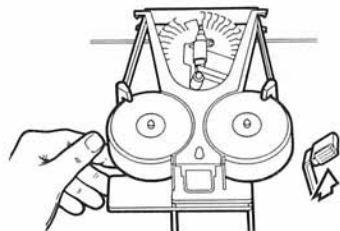
- 4** Press down wire clip radially and pull off print wheel in the direction of the arrow



- 5** Push the new print wheel in until it locks in position  
(The driver must engage in the appropriate opening of the print wheel)

- 6** Swing ribbon guide fork downwards. Ribbon guide fork is locked in position

- 7** Push lever backwards  
The printing mechanism swings downwards and locks in position



- 8** Tear paper off along the tear-off edge  
Close cover lid  
Move paper deflecting frame backwards

# 11

## Cleaning the teleprinter

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**If required, the exterior of the teleprinter can be cleaned**

when dusty: Using dust cloth or dust brush  
when contaminated slightly: Using soapwater or washing-up liquids  
when contaminated heavily: Using white spirit or Freon TF  
(manufacturer: Du Pont)

(Do not clean the see-through  
vision panel by using cleaning  
agents containing white spirit  
or alcohol)

**Paper roll**

Roll as per DIN Std. 6720

Paper width: 209 or 216 mm

Number of

plies: max. 4 (when multi-ply paper is used, ensure original is outermost)

Outer

diameter

of roll: 120 or 170 mm

**Paper tape roll**

1. Ordering data as per DIN Std.

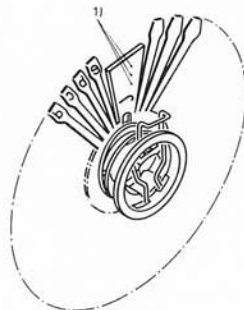
Paper L3 DIN 6720 (0,1 mm thick, oiled)  
or

Paper L1 DIN 6720 (0,08 mm thick, unoiled)

2. Ordering data for ISO quality

Paper tape roll as per ISO 1729

Paper tape: 17,4 mm wide  
0,1 mm thick

**Print wheel**

Ordering number: S22711-J1-J

1) Read figures from print wheel

**Ink ribbon**

Usable are commercially available ink ribbons, nylon, black or black/red, without ribbon-reverse actuator.

1. We recommend ordering from Siemens A. G.

Ordering nos.:

C20136-Z14-C967

(nylon ribbon, black)

or

C20136-Z14-C968

(nylon ribbon, black/red)

2. Ordering nos. as per DIN

Ink ribbon SM 13x54 DIN 2103-N-sw

(nylon ribbon, black)

or

Ink ribbon SM 13x54 DIN 2103-N-sw/rt

(nylon ribbon, black/red)

# SIEMENS

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