Comprehensive Support Document spinwriter 5500

Revision Date: 1/20/94

Document: 273902 Page 1 of 19

spinwriter 5500 Revision Date: 1/20/94

Question: I have a NEC Spinwriter 5500 Printer and I am using the WordPerfect Software

Version 5.1. I need to know what software driver to select from the list of printers

which is included with the software.

Answer: Below is a list of printer drivers which may be selected in order to support the NEC

Spinwriter 5500 Printer line under DOS based software application packages.

NEC Model	Software Driver Selection/Emulation
NEC 5510	NEC 2010, 3510, 7710 or 8810 Spinwriter. Receive Only ANSI Terminal.
NEC 5515	NEC 2015, 3515, 7715 or 8815 Spinwriter. NEC 2030, 3530, 7730 or 8830 Spinwriter. Receive Only Diablo 1610 Replacement Printer.
NEC 5520	Keyboard Send/Receive ANSI Terminal.
NEC 5525	Keyboard Send/Receive Diablo 1620 Replacement Printer.
NEC 5530	Receive Only Centronics Type Printer.
NEC 5540	Keyboard Send/Receive APL-ASCII Terminal.
NEC 5500D	OEM'd to Diablo Corporation as a 1345 Type Printer. 12 Bit interface.
NEC 5500B	8 Bit Naked Interface Printer.
NEC 5500Q	OEM'd to Qume Corporation. 12 Bit Interface.
NEC 5500N	Ontel Type Printer.
NEC 5508	OEM'd to Honeywell Corporation.

Document: 273902 Page 2 of 19

^{*} If the software application which is currently being utilized does not list any of the above listed printer driver options, then you may either select a Generic Text Printer driver or, you can contact the software manufacturer to see if they

spinwriter 5500 Revision Date: 1/20/94

Model 5530 Specifications

DEE	EADMANCE CREATERANCE
	RFORMANCE SPECIFICATIONS
Print Speed	55 Characters per second at 12 characters per inch (maximum) bi- directional
Print Line	l36 columns at 10 characters/inch 163 columns at 12 characters/inch
Impression Control	4 steps, automatic (for every character) 3 steps, manual
Paper Width	16 inches (maximum)
Character Set	128 characters (maximum)
Copy Thickness Control	5-step switching by operator
Paper Thickness	0.027 inch (maximum)
Paper Movement	Forward or reverse, up or down
Carriage Return Time	400 milliseconds (maximum)/136 characters
Horizontal Resolution	120 increments/inch
Horizontal Tabulation	Absolute position addressable right and left
Vertical Resolution	48 increments/inch
Vertical Tabulation	Absolute position addressable - up and down
Line Feed Speed	4.16 inch/second plus 53 ms settling time
Spacing Speed	16 milliseconds at 12 characters/inch
Form Feed	1 to 99 lines (maximum)
Line Feed	6 or 8 lines per inch (forward/reverse)
Test Print	Prints stored print test set
Interface Type	Centronics-type, parallel
Communication Code	ASCII
Receive Buffer	132, 136, 150 or 163 characters (switch selectable)

Model 5530 Specifications (cont'd)

	DIMENSIONS								
Width	24.8 inches (630 mm) (including platen knobs)								
Depth	16.34 inches (415 mm)								
Height	8.68 inches (220.5 mm)								
Weight	45.5 pounds (20.7 Kg) (including covers and power supply)								
	POWER REQUIREMENTS								
Input Power	115 Vac, ±15%, 3.5 amps, 50/60 Hz, +5% -3% or 230 Vac, ±15%, 2 amps, 50/60 Hz, +5% -3%								
Power Consumption	80 watts (standby) 180 watts (operating)								
ENVI	RONMENTAL SPECIFICATIONS								
Operating Noise Level	60 dBA with covers								
Temperature	Operating: 40°F to 100°F (5°C to 38°C) Storage: -4°F to 158°F (-20°C to 70°C)								
Relative Humidity	Operating: 10% to 85% Storage: 10% to 95% (Without Condensation)								
Altitude	Operating: Sea Level to 10,000 Ft. Storage: Sea level to 25,000 Ft.								

Document: 273902 Page 3 of 19

spinwriter 5500 Revision Date: 1/20/94

Models 5510, 5515, 5520, and 5525 Specifications

PERF	PERFORMANCE SPECIFICATIONS								
Print Speed	55 characters per second at 12 characters per inch (maximum) bi-directional								
	With Serial Interface: 10 cps @ 110 baud, 30 cps @ 300 baud 15 cps @ 150 baud, 55 cps @ 600 baud (max) 20 cps @ 200 baud, 55 cps @ 1200 baud (max)								
Print Line	136 columns at 10 characters/inch 163 columns at 12 characters/inch								
Impression Control	3-step by operator								
Paper Width	16 inches (maximum)								
Character Set	128 characters (maximum), fully- formed								
Copy Thickness Control	5-step switching by operator								
Paper Thickness	Up to 0.027 inch								
Paper Movement	Forward or reverse, up or down								
Carriage Return Time	400 milliseconds (maximum)								
Horizontal Resolution	120 increments per inch								
Horizontal Tabulation	Normal and addressable - right and left								
Vertical Resolution	48 increments per inch								
Vertical Tabulation	Normal and addressable - up and down								
Line Feed Speed	4.16 inch per second (53 ms settling time)								
Spacing Speed	16 milliseconds at 12 characters per inch								
Form Feed	1 to 99 lines (maximum)								

Models 5510, 5515, 5520, and 5525 Specifications (cont'd)

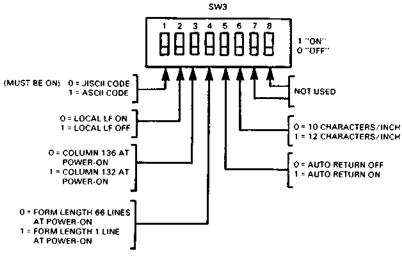
PERFORMA	PERFORMANCE SPECIFICATIONS (cont.d)								
Line Feed	6 or 8 lines-per-inch (forward/reverse)								
Test Print	Prints stored print test set								
SERIAL	INTERFACE SPECIFICATIONS								
Compatibility	Electrically compatible with EIA RS-232-C and CCITT V.24								
Communication	ASCII, Half or Full Duplex								
Brror Detection	Byen/Odd parity Framing/Overrun error detection								
Transmission Rate	110, 150, 300 Baud 110, 200, 300 Baud 110, 300, 600 Baud 110, 300, 1200 Baud								
Receive Buffer Transmit Buffer	256 Characters 16 Characters								
Protocol	ETX/ACK OF X-ON/X-OFF REVERSE CHANNEL								
	DIMENSIONS								
Models 5510 and 5515 (RO)	Width: 24.8 inches (630 mm) (including platen knobs) Depth: 16.34 inches (415 mm) Height: 8.68 inches (220.5 mm) 9.8 inches (250 mm) with higher silencer hood								
Models 5520 and 5525 (KSR)	Width: 24.8 inches (630 mm) (including platen knobs) Depth: 21.1 inches (535 mm) Height: 8.68 inches (220.5 mm) 9.8 inches (250 mm) with higher silencer hood								
·	POWER REQUIREMENTS								
Input Power	115 Vac, ±15%, 3.5 amps. 50/60 Hz, +5% -3% or 230 Vac, ±15%, 2 amps, 50/60 Hz. +5% -3%								

Document: 273902 Page 4 of 19

spinwriter 5500 Revision Date: 1/20/94

Models 5510, 5515, 5520, and 5525 Specifications (cont'd)

	WEIGHT
Models 5510 and 5515 (RO)	45.5 pounds (20.7 Kg)
Models 5520 and 5525 (KSR)	51.0 pounds (23.2 Kg)
ENVI	RONMENTAL SPECIFICATIONS
Operating Noise Level	60 dBA with cover 67 dBA without cover
Temperature	Operating: 40°F to 100°F (5°C to 38°C) Storage: -4°F to 158°F (-20°C to 70°C)
Humidity	Operating: 30% to 85% Storage: 10% to 95% (Without Condensation)
Altitude	Operating: Sea Level to 10,000 Ft. Storage: Sea level to 25,000 Ft.



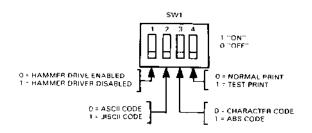
NOTES:

- 1. SW1 5 THRU 8 ARE SET "OFF" WHEN THE PRINTER IS EQUIPPED WITH AN OPERATOR CONTROL PANEL.
- 2. SW3 4 CONTROLS FORM LENGTH ONLY WHEN THE OPERATOR CONTROL PANEL IS NOT INSTALLED. WITH THE CONTROL PANEL INSTALLED, FORM LENGTH IS SET USING THE FORM LENGTH SWITCH MOUNTED ON THE CONTROL PANEL.

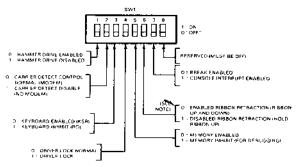
5500 G9BNB/G9GKZ PCBs SW3 Switch Functions

Document: 273902 Page 5 of 19

spinwriter 5500 Revision Date: 1/20/94

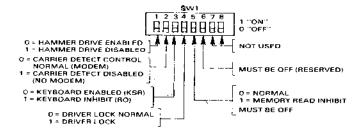


5500 G9CUT PCB SW1 Switch Functions



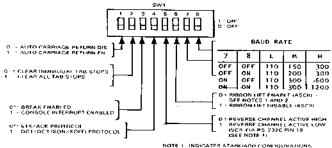
NOTE WHEN THIS SWITCH IS SET AT ON POSITION ITOLD RIBBON UP MODE IS TIXTO REGARDLESS OF ESCICODE SEQUENCES USED.

5500 G9DWJ PCB (5540) SW1 Switch Functions



5500 G9GLB PCB SW1 Switch Functions (Later 5510, 5520 Models)

The G9CUR and G9GLB PCBs are interchangeable.

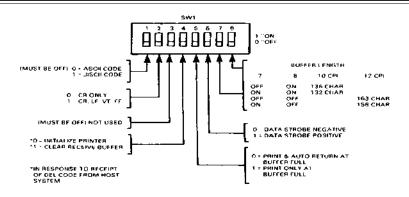


NOTE 1 INDICATES STANDARD CONTINUES NOTE 2 ON LARGER MODELS 5510 AND 5520

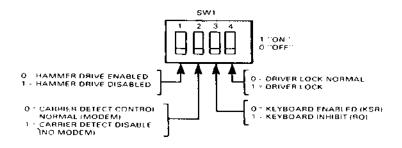
G9BNF (5520), G9DGD (5510), G9EYQ (5540) SWI Switch Functions

Document: 273902 Page 6 of 19

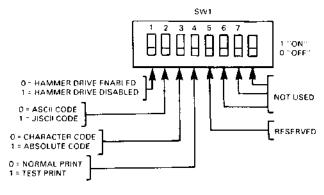
spinwriter 5500 Revision Date: 1/20/94



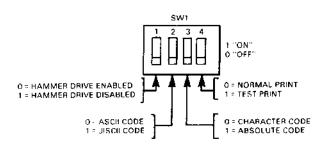
5500 G9BNA PCB SWI Switch Functions



5500 G9CUR PCB SW1 Switch Functions (Early 5510, 5520 Models)



5500 G9CUQ PCB SW1 Switch Functions

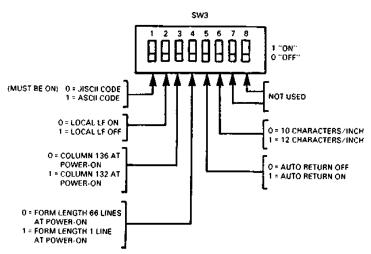


5500 G9CUP PCB SW1 Switch Functions

Document: 273902

Page 7 of 19

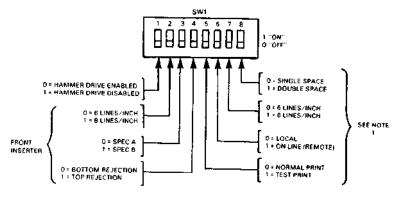
spinwriter 5500 Revision Date: 1/20/94

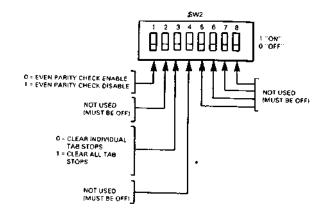


NOTES:

- 1. SW1 5 THRU 8 ARE SET "OFF" WHEN THE PRINTER (S EQUIPPED WITH AN OPERATOR CONTROL PANEL.
- 2. SW3 4 CONTROLS FORM LENGTH ONLY WHEN THE OPERATOR CONTROL PANEL IS NOT INSTALLED. WITH THE CONTROL PANEL INSTALLED. FORM LENGTH IS SET USING THE FORM LENGTH SWITCH MOUNTED ON THE CONTROL PANEL.

5500 G9BNB/G9GKZ PCBs SW3 Switch Functions





5500 G9BNB/G9GKZ PCBs SW1, SW2 Switch Functions

Document: 273902

Page 8 of 19

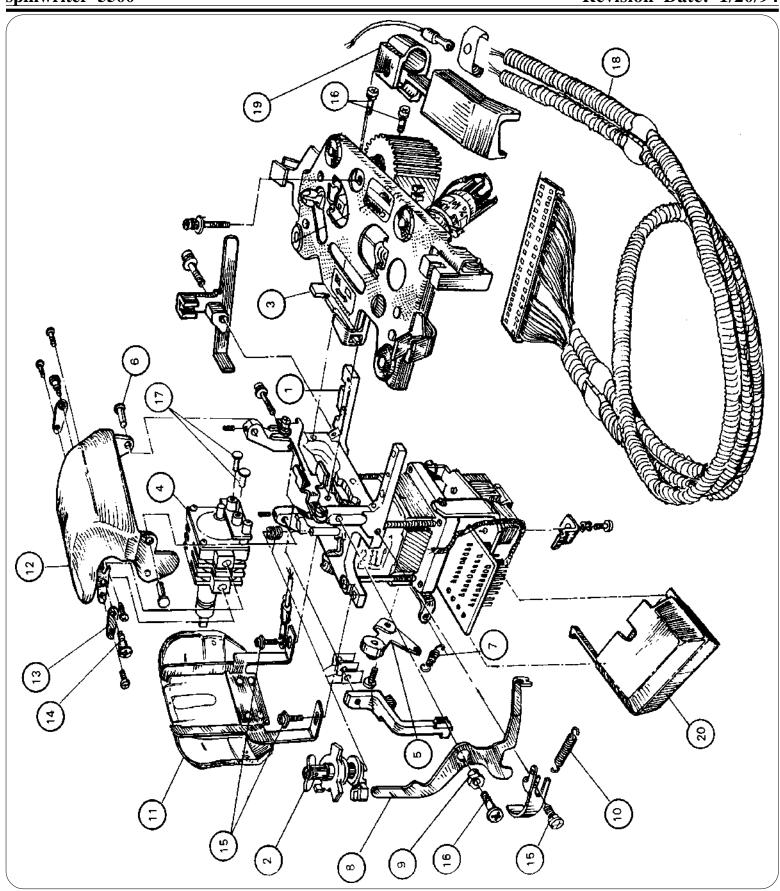
spinwriter 5500 Revision Date: 1/20/94

	Carriage assy	
TEM	DESCRIPTION	PART NUMBER
1	Rotate Motor	136-031573-В
2	Vertical Slide	136-031577-A
3	(See Figure 32) Ribbon Base Ass'y	136 021575 0000
4	Print Hammer	136-031575-002B 136-032022-B
4 5 6	Bearing Holder	136-720287-A
6	Stud	136-710139-A
7 8	Spring	136-720250-A
9	Lock Lever	136-711966-A
10	Eccentric Stud Lock Lever Spring	136-711967-A
11	Card Holder	136-711968-A 136-720571-A
12	Hammer Cover	136-720288-A
13	Position Plate	136-712201-A
14	Shoulder Screw	136-723810-A
15	3×8×15BF	805-300003-0080
16 17	3×8×15BF 2×4×15BF	805-310003-0080
18	Carriage Cable	805-330003-0040
19	Cable Clamp A	136-031579-002A 136-723807-A
20	Inductosyn Cvr	136-723805-A
	Frame assy	120 12000 11
ITEM	DESCRIPTION	PART NUMBER
1	Frame Assembly	136-031581-A
2 3	Spacing Motor Wire Rope	136-031583-A 808-805038-030A
4	Line Feed Motor	136-031585-A
5	RT Line Feed LF Line Feed	136-722871-001-A 136-722871-002-A
7	Pressure Ass'y	136-722871-002-A 136-723002-A
8 9	Pressure Lever Control Lever	136-722873-A
10	Line Feed Idler Gear Bushing	136-722827-A 136-722720-A
11 12	Line Feed Idler Gear	136-722721-A
13	Paper Guide Control Shaft	136-722756-A 136-722741-A
14 15	Control Arm	136-722743-A
16	Control Cam Control Follower Plate	136-722740-A 136-722742-A
17	E-Ring	803-010030-0500
18 19	Line Feed Slide Bearing Platen Lever R	136-722714-A 136-723435-001A
20	Platen Lever L	136-723435-002A
21 22	Eccentric Bushing Platen Clamp	136-710035-A 136-723969-A
23	Line Feed Frame Spring	136-720390-A
24 25	E-Ring Switch Assembly	803-010030-0320 136-722885-A
26	Paper Out Switch	136-722888-B
27 28	3×8×15BF 3×6×15BF	805-300003-0080 805-300003-0060
29	3×10×15BF	805-300003-0100
30 31	6×30×15BF 3×7×15BF	805-300006-0300 805-330003-0070
32	3×8×15BF	805-310003-0080
33 34	4×10×15BF FG Plate Right	805-330004-0100 136-723971-001A
35	FG Plate Left	136-723971-001A 136-723971-002A

Note: the 5500 series has been end of life on service and parts are only avaiable until current inventory has been depleted.

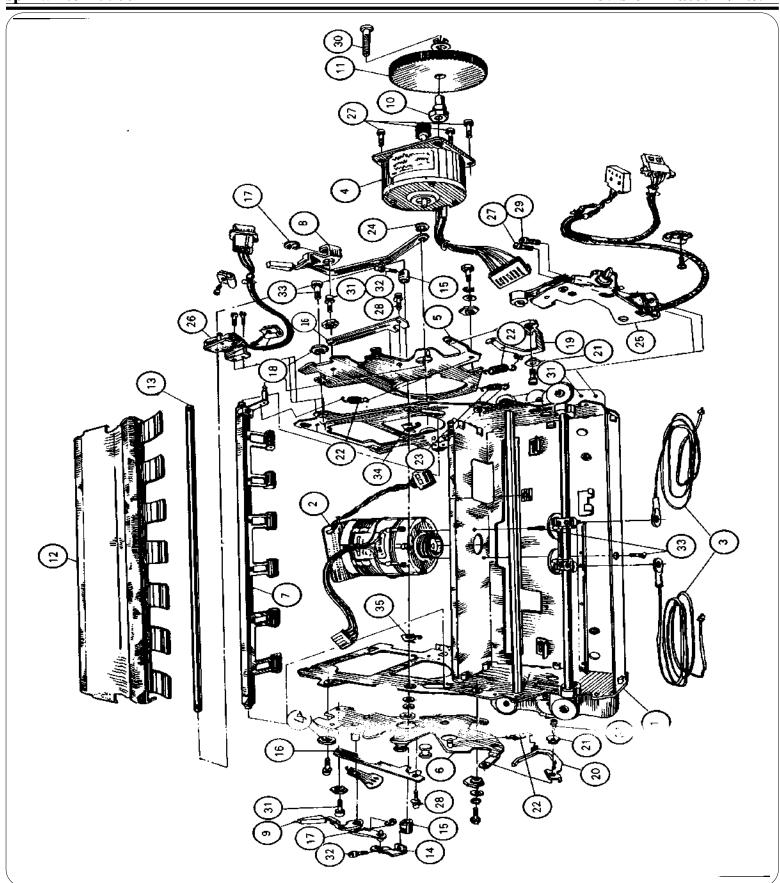
Document: 273902 Page 9 of 19

spinwriter 5500 Revision Date: 1/20/94



Document: 273902 Page 10 of 19

spinwriter 5500 Revision Date: 1/20/94

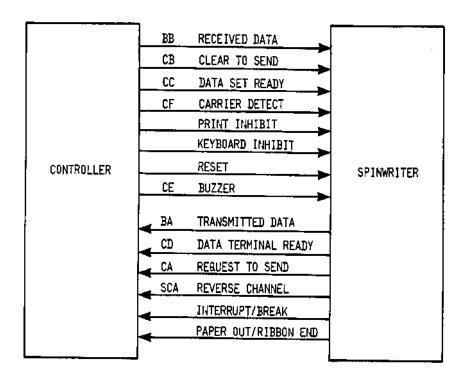


Document: 273902 Page 11 of 19

spinwriter 5500 Revision Date: 1/20/94

Serial Interface Cable Connectors Pin Assignments

EIA CONNECTOR	SPINWRITER CONNECTOR	CIF	CUIT	
PIN NO.	CN30	EIA	CCITT	EIA SIGNAL NAME
2	1	ВА	103	TRANSMITTED DATA
3	2	ВВ	104	RECEIVED DATA
4	3	CA	105	REQUEST TO SEND
5	4	СВ	106	CLEAR TO SEND
6	5	cc	107	DATA SET READY
7	6	АВ	102	SIGNAL GROUND
8	7	CF	109	CARRIER DETECT
11	12	-	-	RESET*
18	10	_	-	KEYBOARD INHIBIT*
19	8	SCA	120	REVERSE CHANNEL
20	9	CD	108	DATA TERMINAL READY
21	11	-	-	PRINT INHIBIT*
22	13	CE	-	BUZZER*
23	14	-	-	PAPER OUT/RIBBON END*
25	15	_	_	INTERRUPT/BREAK*



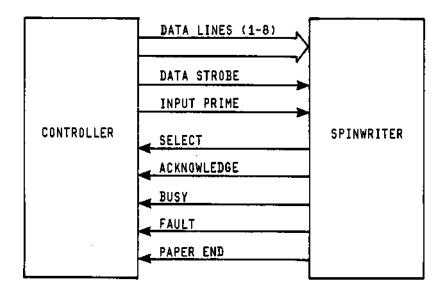
Serial Interface

Document: 273902 Page 12 of 19

spinwriter 5500 Revision Date: 1/20/94

Centronics-Type Interface Connector Pin Assignments

CNIFC PIN NO.	SIGNAL	CNIFC PIN NO.	SIGNAL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 16 17	DATA STROBE DATA 1 DATA 2 DATA 3 DATA 4 DATA 5 DATA 6 DATA 7 DATA 8 ACKNOWLEDGE BUSY PAPER END SELECT SIGNAL GROUND SIGNAL GROUND CHASSIS GROUND	19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	TWISTED PAIR GND INPUT PRIME RETURN INPUT PRIME FAULT GND



Centronics-Type Interface Lines

Document: 273902 Page 13 of 19

spinwriter 5500 Revision Date: 1/20/94

5530 ASCII CODES

abla	MSB	0	1	2	3	4	5	6	7
LSB		000	001	010	011	100	101	110	111
0	0000	NULL	DL* ESCAPE	SP	0	6	₽	•	p
1	0001	START HDG	DC* 1	1	1	A	Q	a	q
2	0010	START TEXT	DC† 2	"	2	В	R	b	r
3	0011	END TEXT	DC† 3	#	3	С	\$	c	s
4	0100	END TRANS	DCf 4 (STOP)	\$	4	D	Т	d	t
5	0101	ENQUIRY	NEG ACK	*	5	Е	Ų	e	u
6	0110	ACK	SYNC IDLE	£	6	F	v	f	v
7	0111	BELL	END TRANS BLK	'	7	G	W	g	w
8	1000	BACKSPACE	CANCEL	(8	н	Х	h	x
9	1001	HORIZ TAB	END MEDIUM	}	9	I	Y	i	у
Α	1010	LINE FEED	SUBSTITUTE	*	:	J	Z	j	z
В	1011	VERT TAB	ESCAPE	+	;	K	[k	{
С	1100	FORM FEED	FILE SEP	,	<	L	١	1	
D	1101	RETURN	GROUP SEP	-	=	М]	m	}
E	1110	SHIFT OUT	RECORD SEP		>	N	^	n	~
F	1111	SHIFT IN	UNIT SEP	/	?	0		0	DELETE

SPACING AND FORMS ADVANCE CONTROLL

			Spacing	For	m Advance
1st	2nd	3rd	(inches)	3rd	(inches)
ESC	J	@	0	Ρ	1/48
		Α	1/120	Q	2/48
		В	2/120	R	3/48
		С	3/120	S	4/48
		٥	4/120	T	5/48
ŀ		Ε	5/120	Ü	6/48 (1/8)
		F	6/120	٧	7/48
•		G	7/120	W	8/48 (1/6)
İ		Н	8/120	Х	9/48
i		ı	9/120	Υ	10/48
ļ		J	10/120 (1/12)	Z	11/48
		K	11/120	ĺ	12/48
	1	L	12/120 (1/10)	١	13/48
		М	13/120	j	14/48
		N	14/120	٨	15/48
		0	15/120		16/48
	L				<u> </u>

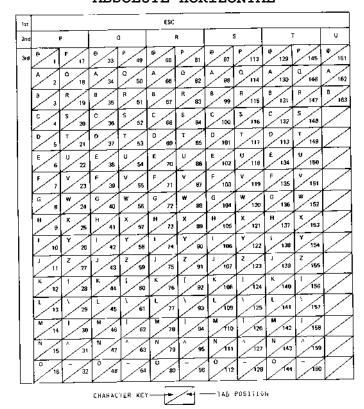
Document: 273902 Page 14 of 19

spinwriter 5500 Revision Date: 1/20/94

ABSOLUTE VERTICAL

-	Reverse								Forward						
1st		ESC								ESC					
2nd	,	*		Υ				z				[
3rd			6/1		® P		@ / P								
	. •	-	16		32		48	/	٥		16		-32	\sim	48
	<u>^</u>	(°	17	^	33	l.º	49	^_ا	1	٥	17	^	33	ے ا	49
	В	A		В	_	R		В		R ,	$\overline{}$	В.	_	R	
	2		18		34		50	\vdash	- 2		18	\angle	34	\angle	50
1	C 3	S	18	c	35	s	51	ے	3	s	19	°	35	s	51
	0	Τ,		0		T		٥		т_	$\overline{}$	0	_	Т	$\overline{}$
			20		36	<u> </u>	52	$\overline{}$	4		20		36		52
	E 5	U	21	£	37	٧	53		5	٧	21	5	37	٥	53
	F	v		F		v		F		٧,		F		V	
	6		22		38	_	-54		6	\angle	_22		. 38	$ \angle $	54
	G 7	W	23	٩	39	*	55	5	<i>_</i> ,	W	23	6	39	W	55
	H 8	×	24	H	_	×		[H_		×		н		×	$\overline{}$
i i	$\overline{}$	¥			40	_	- 56	-	- 8	-	24	-	40	_	56
ĺl		Ž	25		41	Y	57	-	9	<i></i>	25		41	<i>*</i>	5,
	J 10	2	26	3	42	z	58	-		2		1		z	$\overline{}$
l f	~	ī	\ddot{z}	К		$\overline{}$	-58		-10	1	26	к.	42		58
	<u></u>	\geq	27		43	<u> </u>	59	<u> </u>	11		27	<u> </u>	43		59
	12		28	<u>ا</u>	44	1_	60	١	12	1_	28	<u>ا</u> _	14		60
!	M	1		M	$\ddot{\Rightarrow}$	1	-	M	Ä	$\overline{}$		<u></u>	<u> </u>	Ĺ.	Ä
[13	_	29	_	45		61	_	13	$\overline{}$	29	<u> </u>	45		61
	N 14	_^_	30	N .	46	^	62	N	12	^	30	N	46		62
	0 15		31	· • /			1	6		<u>-</u> _	7	6		-/	Z
L		<u> </u>	31 [<u> </u>	47	_	63		15	_	31		47	_	63
					Г		_								

ABSOLUTE HORIZONTAL



Document: 273902 Page 15 of 19

spinwriter 5500 Revision Date: 1/20/94

5510/20 CODES

ASCII CODING CHART

						COMA CAT		PRINTABLE CHARACTERS					
b ₇							001	°',	٥,	¹ 0	· .	'.	٦,
B. 1.	†14 ↓	63 1	† p5	† P4	Column Row 1	0	,	2	3	4	5	6	7
i	O	0	0	۰	0	NUL	OFF	SP	0	- 65	Р	١.	P
	Ġ	۵	D	1	1	SOH	001	,	1	Α	0	1 -	a
	٥	٥	-	٥	2	STX	DC2		2	B	В	۱.	٠."
	0	0	1	٠	3	ETX	003	#	3	С	5	٠.	٤.
1	0	<u>'</u>	٥	٥	4	EOT	DC4	s	4	D	т	ə	1
	O	1	0	1	5	ENG	NAK	*	5	E	U		U
	a	1	.1.	٥	6	ACK	SYN	8-	6	F	_ v "	, ·	٧
	0	1	1	•	7	BEL	ET6	Ĺ.,	,	G	w	a	w
	1	0	0	٥	B	85	CAN	1	8	н	×	l n	×
	1.	0	0	1	9	нт	€₩	1	9	T -	Y	F:-	Y
:	1	0	-	Ф	10	LF	SUU	•	Ľ	J_	z	7	,
	1	0	1	•	11	VT	ESC	٠	F	К	1	4;	1
	3	1	o	ø.	72	ΓF	rs .		<	Ĺ	7	i	1:
	,	1	0	•	13	CR	GS		[-]	м	Ti -	m	1
	,	7	•	0	14	50	RS	T	> '	N	^		-
	1	1	1	1	15	SI	บร	1	,	0	i _	•	OEL

Both column 4 ~ 5 (capital letter) and column 6 ~ 7 (small letter) in ASCH code table of all ESC code sequences have same function.

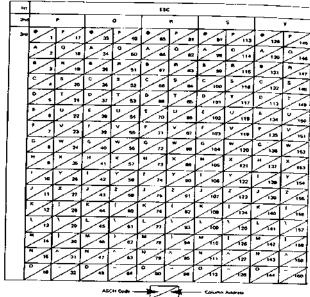
(Except DEL code)

CONTROL CODES

Signal	Name
ETX	End of Text
ACK	Acknowledge
BEL	Bell
BS	Backspace
HT	Horizontal Tab
LF	Line Feed
VT	Vertical Tab
FF	Form Feed
CR	Carriage Return
SO	Shift Out
SI	Shift In
DC1	Device Control 1
DC3	Device Control 3
ESC	Escape

ABSOLUTE HORIZONTAL TAB





ESCAPE SEQUENCES (TWO LEVEL)

ESC 1	Set Horizontal Tab
ESC 2	Reset Horizontal Tab (Individual)
ESC 3	Print in Red
ESC 4	Print in Black
ESC 5	Set Vertical Tab
ESC 6	Reset Vertical Tab (Individual)
ESC 7	Clear all Tabs and FF Length
ESC 9	Reverse Line Feed
ESC <	Reverse Print (Right-to-Left) On
ESC ≈	Read and Store Operator Control Switcher
ESC >	Forward Print (Left-to-Right) On
ESC?	Set Format Mode
ESC @ or '	Reset Format Mode
ESC J or j	Set Right Margin
ESC K or k	Reset Right Margin
ESC L or I	Set FF Length
ESC M or m	Set Left Margin
ESC O or o	Reset Left Margin

spinwriter 5500 Revision Date: 1/20/94

5510/20

SPACING CONTROL AND FORM ADVANCE CONTROL

			Spacing	Form Advance			
7st	2nd	3rd	(inches)	3rd	(inches)		
ESC	1	@	٥	P	1/48		
		Α	1/120	a	2/48		
		В	2/120	R	3/48		
		С	3/120	s	4/48		
		D	4/120	Т	5/48		
		E	5/120	U	6/48 (1/8)		
]	F	6/120	٧	7/48		
		G	7/120	w	8/48 (1/6)		
		н	8/120	×	9/48		
		1	9/120	Υ	10/48		
		j	10/120 (1/12)	Z	11/48		
		К	11/120	1	12/48		
		L	12/120 (1/10)	\	13/48		
		М	13/120]	14/48		
	Ì	7	14/120	۸	15/48		
_		0	15/120		16/48		

RELATIVE VERTICAL TAB

Table 2

		Rev	-		Forward					
fen	L	ES	c							
244		×	İ	٧		2				
3md	•	18	• 5		•	1.5	• 7	· /4		
	2	9 ,7	233	9.4	2,	9,	2 33	9		
	• ,	7,	•	7 80	•	9	•	•		
	6/3	5 ,	5 25	3	9	3	5	3 ,		
	0	7 20	9	7	9	7 70	9	7		
	5	U 31	£ 37	U 5		U S	• ,	0/		
	<u> </u>	V ,	•	V	-	·/	•	V		
	6	w	6	**	•	**	* ک	w		
ı	",	× 23	*	×		× /	**	× /		
	,	V	- 40	√ *		× **	40	¥ -		
ŀ	- 	2 2	- 11	2 0	-		- 	2 27		
ŀ	10	2.0	47	39	10	*		-		
-	-	7	- 3	59		~ 7	/ 43	-		
}	12	20			12 M	_ ×		-		
	73	20	46			20	**	•		
- }	<u> </u>	<u></u>		-		- 30	***	2		
	<u>15</u>	31	<u>, 47</u>	<u></u>	<u>""</u>	31	20			
		ASCII Co			N	lumber of It	(Netri			

Document: 273902 Page 17 of 19

spinwriter 5500 Revision Date: 1/20/94

5515/25

ASCII CODING CHART

						COMI CAT COI		, ,	TAIR				
b7							001	010	°,	100	101	1.	٦,
Bica	D4	1	1 p3	† p1	Column Row 1	٥	•	2"	э	4	5	6	7
	0	٥	0	0	P	NUL	DLE	SP	0	•	P	`	
	0	ō	0	1	1	SOH	DC1	!	1	A	0	•	٩
	0	0	*	۰	2	STX	ocs	"	2	8	Я	ь	7
	0	0	1	1	3	ETX	DC3	*	3	C	\$	e	
	٥	-	٥	٥	4	€QT	DČ4	\$	4	Đ	Ŧ	4	1
	0	1	٥	•	5	€₩Q	NAK	*	5	€	υ	•	
	٥	1	Ŧ	٥	6	ACK	\$YN	. F	6	F	[v .	١.	٠
	٥	•	-	-	7	BEL	£TO	•	7	G	w	•	*
	- 1	0	0	٥	8	es	CAN	(8	H	×	h	×
	-	٥	٥	-		HT	EM	1		•	¥	•	¥
	-	٥	-	٥	10	Lf	\$UB	•	;	1	z	ì	
	-	0	-	*	11	7	ESC	+	:	K	ï	k	
	1	1	٥	٥	12	FF	F\$	٠	٧	1	`	•	:
	-	-	¢	-	13	ÇF	GŞ+	١	•	¥	1		
	1	7	1	9	14	\$0	RS .		۸	N	^	_	~
	•	-	1	•	15	SI	US	1	~	٥	_	0	DEL

Generation of these codes from keyboard is as follows:

GS = Control ~

RS = Control +

Note

Both column 4 \sim 5 (capital letter) and column 6 \sim 7 (small letter) in ASCII code table of all ESC code sequences have same function when in upper-case mode.

(Except DEL code)

CONTROL CODES

Signal	Name
ETX	End of Text
ACK	Acknowledge
BEL	Bell .
BS	Backspace
HT	Horizontal Tab
LF	Line Feed
VT	Vertical Tab
FF	Form Feed
CR	Carriage Return
so	Shift Out
Şt .	Shift In
DC1	Device Control 1
DC3	Device Control 3
ESÇ	Escape

Document: 273902 Page 18 of 19

spinwriter 5500 Revision Date: 1/20/94

5515/25

1st					ESC	•	<u> </u>				
2nd	Ab	Absolute Horizontal Tab HT* 0 13 26 SOH SO ESC			ertical Tab		Motion Index RS	Horiz	Horizontal Motion Index US		
3rd	1				52	65 8	78	91	104	117	
	STX	14 SI	27 F\$	40	63	66 C	79	92	105	118 W	
	ETX	DLE	28 GS	41	64 7	67	80	93 ^	106	119	
	EOT	16 OC1	29 RS	42	56 8	68 E	81	94	107	120	
	4 ENQ	17 0C2	30 US	43	56 9	69 E	82 S	95	108	121	
	5 ACK	18 DC3	31 SP	44	57	70 6	83	96	109	122	
		19 004	32	45	58	71 #	84	97	110 n	123	
		20 NAK	33	48	59	72	85	88	111	124	
		21 SYN	34	47	60	73	86 V	99	112	125	
		22	35	48 0	61	74 3	87 W	100	113		
	10	ETB 23	36	49	62	75 K	88 X	101	114		
		CAN 24	37 %	50 3	63 ,	76	89 Y	102	115		
		25 EM	38	513	64	77 M	90	103	116		
	CR L	SUB	,	4	A	N		h	u l		

^{*}Desired Position = number from chart + 1

Ex: Absolute horizontal tab to print position 1 = ESC HT SOH

CONTROL FUNCTIONS

	
ESC 1	Set Horizontal Tab Stop
ESC 2	Clear All Tab Stops
ESC 3	Graphics On
ESC 4	Graphics Off
ESC 5	Forward Print On
ESC 6	Backward Print On
ESC 8	Clear Individual Tab Stop
ESC 9	Set Left Margin
ESC 0	Set Right Margin
ESC A	Print in Red
ESC B	Print in Black
ESC D	Negative Half-Line Feed
ESC U	Half-Line Feed
ESC LF	Negative Line Feed
1	

Document: 273902 Page 19 of 19