XEROX

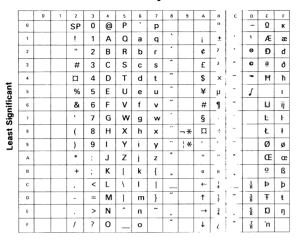
4045

Document Creation **Reference** Card

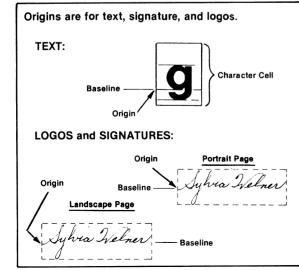
Kerox Corporation 701 South Aviation Boulevard El Segundo, California 90245 213 536-7000

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Most Significant



*These locations are assigned only in the internal fonts XCP14iso-L, XCP12.5iso-L, XCP14-L, Titan10iso-P, and Titan12iso-P.



ABSOLUTE TEXT PLACEMENT

Absolute Text Placement command: <Esc>a<X.Y><LE>

<Esc> = Escape Character or User-Defined Key

a = Code for absolute text placement

Landscape:

- < X > = Distance from top of page to start of text placement
- $\langle Y \rangle$ = Distance from left edge to start of text placement

Portrait:

- <X> = Distance from left edge to start of text placement
- < Y> = Distance from bottom of page to start of text placement
 - = Comma required between fields
- <LE> = Line-Ending Sequence

RELATIVE TEXT PLACEMENT

Relative Text Placement Command: Relative to last character printed.

COMMAND: <Esc>r<D><n><c>

- <Esc> = Escape Character or User-Defined Key
 - = Code for relative text placement
- <D> = Direction relative to last character printed; input as follows: u = up
 - d = down
 - | = left r = right
- <n> = Number of units in 1/300 of an inch

<c> = Any non-numeric character terminator

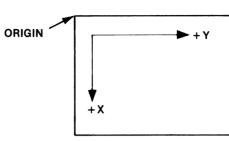
DEFAULT FORMAT PARAMETERS

DEL AGET I OTIM		ETENO		
MARGINS:	Тор	Bottom	Left	Right
Landscape	0.40"	0.40"	0.66"	0.66"
Portrait	0.66"	0.66"	0.40"	0.40"
TABS, HORIZ	ONTAL:			
Landscape and Portrait		Six character widths starting from left paper edge.		
TABS, VERTIC	CAL:			
Landscape	Every incl margin	h from the d	lefault to	P
Portrait	1.00" inte	rvals from t	he top of	paper

DRAWING HORIZONTAL AND VERTICAL LINE COMMANDS

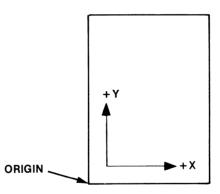
Landscape Orientation

Horizontal Line: < Esc > y < X,Y,L,T > < LE Vertical Line: < Esc > x < X,Y,L,T > < LE





```
Horizontal Line: < Esc > x < X,Y,L,T > < LE >
                <Esc>v<X,Y,L,T><LE>
Vertical Line:
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- <Esc> = Escape character or User-Defined Key
 - = Line drawn parallel to short edge х
 - = Line drawn parallel to long edge
- $\langle X \rangle$ = Distance from origin in X direction to beginning of line
- $\langle Y \rangle$ = Distance from origin in Y direction to beginning of line.
- <L> = Length of line
- <T> = Thickness of line
 - = Comma required between fields
- <LE> = Line Ending sequence

DISPLAY CODES

AA	Reason: The 4045 is in a Data Monitor mode. Action: Press and hold the Reset switch. While holding the Reset switch, press the Off-line switch.
A1	Reason: An original in the copier has misfed. Action: Lift Document Feeder and remove original. Close Document Feeder and refeed the
A2	orignal. <i>Reason:</i> 4045 is off-line while attempting to make a copy. <i>Action:</i> Push off-line button once to place on-line.
C1	Reason: Feeder rollers in printer not in home position. Action: Rotate rollers until flat side is in bottom posi-
C3	tion. Reason: The Paper Tray is not seated properly. Action: Push the Paper Tray in until it stops.
C4*	Reason: The paper has misfed or the paper tray is empty. Action: Pull out the paper tray and check for misfed paper. Clear misfed paper if tray is empty, add paper. Replace tray. Printing will automatically begin.
d(number)	Reason: The 4045 has detected a memory failure during power on. Action: Power off, then on. If problem recurs, call for service.
E1*, E2*, E3*, E4*	Reason: A paper path misfeed has been detected. Action: Lift the paper path access handle, open the 4045 and clear the paper path.
E5	Reason: The paper path is open. Action: Push down on the upper front corners of the 4045.
(number)L	Reason: The top cover is not seated properly. Action: Push down on the top cover at the sides.
Ld	Reason: Graphics are being downloaded. Action: No action required.
LF	Reason: Fonts are being downloaded from the host system. Action: No action required.
L(number)	Reason: Illuminator Malfunctions. Action: Power off, then on. If problem recurs, call for service.

DISPLAY CODES (Continued)

PE	Reason:
	A Parity Error has been detected.
	Action:
	Push the Reset switch.
P1	Reason:
	The Configuration Cartridge is not seated properly. <i>Action:</i>
	Open the Font Compartment doors and check
	to be sure the cartridge is inserted correctly.
P5, P6	Reason:
	Host Interface Overrun Error.
	Action:
	Power off then on. If problem recurs, call for service.
	ns" listed do not clear the code displayed, call nd report the code which was displayed.
misfeeds. T	codes marked by an asterisk apply only to hey are displayed only when the Last Page essed before clearing the misfeed.

ERROR CODES

	owing codes will appear on the Job Status errors occur in a job.
CODE	MEANING
02	A Command contained an unrecognized job type field.
11	A font data error caused a Font Load command to abort.
12	The Font Load exceeded memory limit. Excessive fonts were not loaded.
18	An attempt was made to delete a font that was not loaded in memory (e.g. an incorrect name was given in an Unload command).
19	An attempt was made to delete a resident or cartridge font.
20	An unknown command was received and ignored.
21	The page was too complex to print correctly.
22	The text line extends beyond right margin. A loss of data is possible.
23	The page limit for printable and control characters has been exceeded. The excess data was printed on the following page.
25	A duplicate page may have been printed.
26	More than 10 errors were detected in the document.
28	A data error appeared in the Character Table download. Subsequent characters in the command were ignored.
29	A command contained an illegal parameter.
40	A font ID command referenced a nonexistent font. The assignment of this font was ignored.
41	Fonts of both orientations were used on the same page.
42	An user invoked an unknown font ID number which was ignored by the printer.
45	A font ID assignment was found with a font ID greater than 9. The font assignment was ignored.
49	A cartridge checksum error was detected. The cartridge font data may be in error.
81	A graphic data error was detected.
82	A graphic was truncated due to an error in document formation.
83	A graphic was partially loaded because RAM was full.
84	Graphic storage was exhausted. No graphics were loaded.
85	More than 16 graphic commands were used on one page.

Second states and states and states are stated at a state of the states are states at a state of the states at a states at a state of the states at a states at a state of the states at at a states at a state of the states at at at a states at	= Escape character and	in these special brackets contain optic d User Defined Key. User's choice dep			
<le> = Line-ending</le>	g sequence.	where the option is given.	Grace .		
Feature	Default	Command	Placement in Job	Cancel or End Command	Notes
Absolute Text Placem Bolding Start	nent (See instructi No bold	tions on other side of card under Abso <esc>b</esc>	olute Text Plac Beginning	acement) Reset, Bold Stop	
Bolaing Start	NO DUIU	< LSC > D (2014)	Beginning of text to be bolded	R0501, Duiu	
Bolding Stop		<esc>p</esc>	End of text to be bolded		
Centering Character Table	No centering Standard ASCII or EBCDIC Bit Map	<esc>q <esc>+T,<comment><le></le></comment></esc></esc>	Within line Before Char. Table	Line-end Overwriting or Language command	
Data Monitor Start		< Esc > + D	Anywhere	Reset, Power Off	Prints hexadecimal characters as well as ASCII characters.
Data Monitor End		<esc>+X</esc>	Data Anywhere	· · ·	
Drawing Lines Font	Black (See instr	ructions on other side of card under I	Drawing Horiz	ontal and Vertical L	-ine Commands)
Load	Resident, plus any installed cartridge fonts	<esc>+F,<comment><le></le></comment></esc>	Before font data	Overwrite or Delete Selected Fonts. <esc>X'1B' aborts download.</esc>	Follow label instructions.
ID Assignments	Default font	<esc> + <n> <le> <n> = 0-9</n></le></n></esc>	Anywhere	Aborts download. New assign- ment or Reset	
Assignments - Change	Default font	<n>=0-9 <Esc><n> <n>=0-9</n></n>	Anywhere	ment or Reset New Sequence	
Unload	Downloaded fonts	<n> =0.9 <esc> + U,<comment> <le></le></comment></esc></n>	Before job	New font load	Cancels Font ID assignments.
Add Selected	Resident, plus installed cartridge fonts, or previously downloaded fonts.	<esc>+A,<comment><le></le></comment></esc>	Before font data	Overwrite Font Load or Delete Selected Font	assignments. Unloads a constant page. Loads selected fonts.
Delete Selected	downloaded fonts. Downloaded fonts	<esc> + B,<comment><le> <le></le></le></comment></esc>	Before font name data	Overwriting	Unloads a constant page. Deletes selected fonts.
Graphic Window		$< Esc > gw < n_1 > ; < n_2, n_3, n_4, n_5 > < LE > < graphic data > < < n_1 > = magnification, input 2 < < n_2 > = x coordinate < < n_3 > = y coordinate < < n_4 > = length in dots parallel to short edge < < n_5 > = length in dots parallel to long edge$	Betore graphics data		See the 4045 User Manual, Chapter 3, for options, limita- tions and con- straints.
Horizontal Tab		<esc>d</esc>	Anywhere		
Clear Horizontal Tab Set	See defaults	<pre><esc>t<n1,,n160<le></n1,,n160<le></esc></pre>	Anywhere	Horiz, Tab Clear	Max. 160 per
Set Justification Start	No justification	<n> = in 1/60" or 1/300"* <esc>j</esc></n>	Beginning of text	Reset Reset, Justification Stop	command Justification has limits according to font size.
Justification Stop	1.1	<esc>k</esc>	End of text		
Language	User selectable	< Esc > zI < c > I = lower case L <c> = 0.9. A.H</c>	Anywhere	Reset	See manuals for ISO fonts.
Line Spacing (font based)	Single space	<c>=0.9, A-H <esc>i<n><math><n>=0=1 $1=1\frac{1}{2}$ 3=3 $4=\frac{1}{2}$</n></math></n></esc></c>	At line immediately prior to where Line Spacing begins	New sequence or Reset	
Margin Setting	See defaults	< Esc >m< S,T,B,L,R >< LE > S = Size of paper T = Top margin B = Bottom margin L = Left margin	begins Anywhere	New margin or Reset	Units = 1/60th or 1/300th"*
Merge-Page Load	No constant page in memory	R = Right margin <esc> + M, < comment> < LE></esc>	Beginning of constant page	Merge Page Unload	End load with Page End, Print Job or Reset.
Merge-Page Unload Merge Start	No merge	<esc>+V,<comment><le> <esc>ze</esc></le></comment></esc>	Anywhere Anywhere	None Merge Stop	Merged pages may
Merge Start	No merge	< L \$C > ze	Anywnere	Merge ວເບຍ	Merged pages may be of different orientations.
Merge Stop Overstrike Start	No default No overstrike	< Esc >zd < Esc >zo< c > <c> = overstrike character</c>	Anywhere Beginning of text to be overstruck	Reset, Overstrike Stop	Spaces not over- struck. If line has multiple fonts, overstrike character changes with new
Overstrike Stop		<esc>zp</esc>	End of text to be over- struck		font.
Print Job		<esc>+P,<comment><le></le></comment></esc>	Beginning and end of job.	Reset or new command	Used as job delimiter.
Relative Text Placemo Reset (End of Job)		ons on other side of card under Relati <esc>+X<le></le></esc>	End of Job	·	
Subscript Start	Baseline printing	< Esc >I I = lowercase L	Beginning of text to be sub- scripted.	Page end, Reset Subscript Stop	
Subscript Stop		< Esc > s	End of text to be sub- scripted.		
Superscript Start	Baseline printing	<esc>h</esc>	Beginning of text to be super- scripted.	Page end, Reset, Super- script Stop	
Superscript Stop		<esc>s</esc>	End of text to be super-		
Underline Start	No underline	< Esc > u	scripted. Beginning of text to be underlined	Underline Stop	-
Underline Stop	<u> </u>	<esc>w</esc>	End of text to be underlined		
Units - 1/60th"	1/60th"	<esc>zg</esc>	Anywhere	<esc>zf or Reset</esc>	Changes units for margins and tabs.
Units - 1/300th"	1/60th"	<esc>zf</esc>	Anywhere	<pre>clicklesset </pre> <pre></pre> <pre><</pre>	Changes units for margins and tabs.
User-Defined Key	Esc Character	=UDK = <c> <c> = any printable char.</c></c>	Anywhere	Reset or new UDK	· · · · · · · · · · · · · · · · · · ·
Vertical Tab Set	See defaults	< Esc>v<n<sub>1,,n₁₂₅><le></le></n<sub> <n> = number in 1/60" or 1/300"*</n>	Anywhere	Vertical Tab Clear, Reset	Max. 125 per command
Vertical Tab Clear		<esc>e</esc>	Anywhere		
VFU Stops Set		< Esc >zv< n >< v ₁ ,, v ₇ >< LE > < n > = channel 1-12	Anywhere	Reset	Dataproducts