Starting Forth Lexicon Missing or Changed in PropForth

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Version: V. 0.97 **2nd Draft – several errors removed**

Group	SF Lexicon	status	note

MODIFIED ITEMS – NOT MERELY RENAMED

Loop	loop+	Modified ??	PropForth uses **+loop**, NOT sure if this is modified or just renamed.
stack/memory	!	modified	PropForth divides this into 4 items **COG!, L!, W!**, and **C!** (C! was in Starting Forth)
stack/memory	@	modified	PropForth divides this into 4 items; **COG@, L@, W@**, and **C@** *(C@ was in Starting Forth)*
stack/memory	literal	modified	PropForth has two different length literals: **litl** and **litw**
word creation	create	modified	In PropForth, this does NOT return a dictionary address. CANNOT create arrays, use **variable – allot – cells**
word creation	variable	modified	PropForth has **variable** (which is 32bit and creates arrays) and **wvariable** (which is 16bit, maybe arrays, too)

RENAMED ITEMS

character	blank	renamed	PropForth has **bl**
commentary	(	renamed	Prop Forth uses **{** and **}** for text to be ignored, ***it seems the parenthesis are used for other purposes***
commentary	)	renamed	Prop Forth uses **{** and **}** for text to be ignored, ***it seems the parenthesis are used for other purposes***
Dictionary	word	renamed	PropForth uses words
stack manipulation	r@	renamed??	See **RS@**

STARTING FORTH ITEMS NOT INCLUDED IN PROPFORTH 5.03

base	octal	none	Octal is not needed much these days
character	hold	none	character string output
character	page	none	This is an ANSI ESC character sequence that clears the Console screen
character	type	none	outputs a string
character string	>number	none	Not used
character string	compare	none	Not used
character string	count	none	Not used
console fron addr	?	none	? alone not in use, prints the contents of an address followed by a space
Dictionary	marker	none	Use **forget**
double functions	2!	none	! Changed to 4 different ! Items, size and location dependent
double functions	2@	none	@ Changed to 4 different @ Items, size and location dependent
Double number functions	d-	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	d.r	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	d+	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	d<	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	d=	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	dmax	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	dmin	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	du<	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	m*	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	m*/	none	Double number functions would be 64 bit in PropForth, less needed
Double number functions	m+	none	Double number functions would be 64 bit in PropForth, less needed
execution	abort"	none	Cease execution and output message to console
execution	quit	none	terminates current task and returns control to console

file and OS	blk	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	block	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	empty-buffers	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	include	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	list	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	load	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	scr	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	update	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
file and OS	use	none	Not supported in Prop Forth – use **safeforth** and/or eeprom and sdcard file systems
interpret	[	none	Enter interpretative state
interpret	[']	none	Find word and compile as literal
Loop	repeat	none	Not used
math	mod	none	Not used, not sure why – see a different approach to mod is followed.
math	fm/mod	none	Chapter 7 – rather a complex word, see Starting Forth text
math	sm/rem	none	Chapter 7 – rather a complex word, see Starting Forth text
Memory clear	erase	none	Stores zeros in X bytes of memory
numeric formats	u<	none	Unsigned number are supported in PropForth, this word is just not provided
relocate	cmove>	none	Not used
relocate	move	none	Not used
stack manipulation	?dup	none	Leading ? Not in use – Duplicates only in non-zero
stack manipulation	?stack	none	Leading ? Not in use – tests for stack underflow, PropForth resets underflow, returns error
stack manipulation	2over	none	Can be created by the user
stack manipulation	2swap	none	Can be created by the user
stack manipulation	sp@	none	stack pointer
stack manipulation	sp0	none	stack pointer
stack/memory	+!	none	add a number to an address – would need to determine Cog versus Hub ram and maybe data length
text format	-trailing	none	removes trailing white space
text format	u.r	none	Right justified – Unsigned number are supported in PropForth, this word is just not provided
TIB	#tib	none	TIB not used
TIB	tib	none	TIB not used
word creation	2constant	none	PropForth has **constant** (which is 32bit) and **wconstant** (which is 16bit)
word creation	2variable	none	PropForth has **variable** (which is 32bit) and **wvariable** (which is 16bit)
word creation	does>	none	Not implemented – A significant difference in how as CREATE … DOES> is not provided
word creation	postpone	none	Not used