

Index	Additional	Description
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0	[2 bytes]	Start of a program line / line number. If an empty line could be a END IF or REPEAT or REMARK

***** Operators *****

1	=	Equal (integer)	See 52, and 53 for ==
2	=	Equal (float)	
3	=	Equal (string)	
4	<>	Not equal (integer)	
5	<>	Not equal (float)	
6	<>	Not equal (string)	
7	<	Less than (integer)	
8	<	Less than (float)	
9	<	Less than (string)	
10	>	Greater than (integer)	
11	>	Greater than (float)	
12	>	Greater than (string)	
13	<=	Less than or equal (integer)	
14	<=	Less than or equal (float)	
15	<=	Less than or equal (string)	
16	>=	Greater than or equal (integer)	
17	>=	Greater than or equal (float)	
18	>=	Greater than or equal (string)	
19	+	Add (integer)	
20	+	Add (float)	
21	-	Subtract (integer)	
22	-	Subtract (float)	
23	*	Multiply (integer)	
24	*	Multiply (float)	
	/	Divide (integer)	Same as 45 - DIV
26	/	Divide (float)	
27	&	Join strings	
28	&&	Bitwise AND	
29		Bitwise OR	

30	^^	Bitwise XOR	
40	OR	As in IF (a OR b)	
41	AND	As in IF (a AND b)	
42	XOR		
43	NOT	(Integer)	
44	MOD		
45	DIV	Divide (integer)	
46	NOT	(float)	
47	INSTR		
48	^	Raise to a power (float)	
	==	Almost equals (float)	May be the same as = (ON) use 146
53	==	Almost equals (string)	

***** Actual values *****

55	[2 bytes]	An actual integer to put on stack	
56	[6 bytes]	An actual (6 byte) floating point to put on stack	
54	[4 bytes]	An actual (4 byte) floating point to put on the stack	
57	[undefined]	An actual string to put on stack	See also 117 for PRINT statements
58		A zero to put on stack (integer)	

***** Normal variables *****

59	[2 bytes]	Get a variable (integer)	
60	[2 bytes]	Get a variable (float)	
61	[2 bytes]	Get a variable (string). Also get an array element	
211	[2 bytes]	Get a sub-string of a string variable (string). Stack contains range	
212	[2 bytes]	Get a variable (string) by reference? Only seen in V5.05	
62	[2 bytes]	Assign a variable (integer)	
63	[2 bytes]	Assign a variable (float)	
64	[2 bytes]	Assign a variable (string)	
210	[2 bytes]	Append a string on the stack onto the end of a string variable	
200	[4 bytes]	Add to an integer variable, an integer	1 st word variable, 2 nd word value
201	[4 bytes]	Subtract from an integer variable, an integer	1 st word variable, 2 nd word value
202	[4 bytes]	Multiply an integer variable, by an integer	1 st word variable, 2 nd word value
205		Add 1 to a float on the stack	
206		Subtract 1 from a float on the stack	

***** Arrays *****

65	[4 bytes]	DIMention a integer array (1 or more elements) First word is no of
66	[4 bytes]	DIMention a float array (1 or more elements) elements - 1
67	[2 bytes]	DIMention a string array (1 element)
68	[4 bytes]	DIMention a string array (2 or more elements) 1 st word is no of elements - 2
69	[2 bytes]	Get an array element (integer) multiple element
70	[2 bytes]	Get an array element (float) multiple element
		Get an array element (string) See 61
71	[2 bytes]	Assign a numeric array element (integer)
72	[2 bytes]	Assign an array element (float)
73	[2 bytes]	Assign an array element (string)
74	[2 bytes]	Assign a substring of an array element (string)

***** Stack manipulation *****

75	Covert a string variable on stack to an actual string
76	Convert integer on stack to a float
77	Convert a float to an integer
78	Convert an integer on stack to a string
79	Convert to a negative (integer)
80	Convert to a negative (float)
81	Move a float onto the main stack
82	Move a float from the main stack
83	Convert FP ASCII on stack to a float
84	Convert variable to ASCII for PRINT/INPUT
85	Duplicate integer on top of the stack onto the stack (part of Procedure parameter passing)
86	Move an integer onto the main stack
87	Move an integer from the main stack
88	Convert a decimal ASCII string to an integer (long?)

***** PEEK/POKE *****

90	PEEK
91	PEEK_W
92	PEEK_L
93	POKE
94	POKE_W
95	POKE_L

***** Keyword table commands *****

96		Preceeds actual parameters of a command
97	[2 bytes] [undefined]	Keyword table entry (procedure) Parameter bytes
105	[2 bytes]	Get a variable (integer) for a Procedure call, (Same as 55, but different?)
98	[4 bytes] [undefined]	Keyword table entry (function) Parameter bytes 1 st word - Function type 1=String, 2=Float 2 nd word - Reference to keyword table entry

***** Procedures and Functions *****

99	[4 bytes]	Call a Proc/Fun, also GOSUB - don't know what is special about this
100	[4 bytes]	Call a Proc/Fun, also GOSUB
101	[2 bytes]	Local parameter for proc/fun (integer) also LOCal variable (integer)
102	[2 bytes]	Local parameter for proc/fun (float) also LOCal variable (float)
106	[2 bytes]	Local parameter for proc/fun2 (float) (same as 102, but different)
103	[2 bytes]	Local parameter for proc/fun ??? string also LOCal variable (string)
104		Process returned string form a string function call
107	[2 bytes]	Local parameter forproc/fun2 (string) (same as 103, but different)
108		Something to do with Procedure parameter passing (string)
109		RETurn/END DEF

***** PRINT *****

110		PRINT
111		, (comma) In PRINT/INPUT print spaces to the next tab
112		Newline in PRINT/INPUT - On it's own means PRINT#x
113		TO In PRINT/INPUT
117	[undefined]	An actual string to put on stack for a PRINT
118		! (space separator) In PRINT

***** INPUT *****

120		INPUT (integer)
121		INPUT (float)
122		INPUT (string)
123		, (comma) After text in INPUT/PRINT

***** FOR loops *****

129	[6 bytes]	Do simple FOR - 3 values on stack
130		Do the FOR
131	[6 bytes]	Single FOR selection - 1 st word is variable, 2 nd & 3 rd address offset
132	[4 bytes]	Range FOR selection
133	[6 bytes]	FOR without STEP
134	[6 bytes]	FOR with STEP
		1 st word - pointer to loop variable
		2 nd & 3 rd words - Pointer to start of FOR loop
135	[2 bytes]	END FOR (float) Word is variable
136	[2 bytes]	END FOR (integer) Word is variable

***** IF..THEN *****

140	[2 bytes]	IF/THEN	
141	[4 bytes]	IF/THEN	Long address offset
142	[2 bytes]	IF/THEN/GO TO	

***** SELECT ON *****

144	[4 bytes]	ON - long word pointer to start of code to do
145	[2 bytes]	ON - word pointer to start of code to do
146		= (ON) (float)
147		TO (ON)
148		= (ON) (integer) same as index 1?
149		= (ON) (string) same as index 3?
		= REMAINDER is handled by loop

***** Various QDOS functions *****

150		CODE()
151		CHR\$()
152		LEN()
153		RESPR()
154		FILL\$()
155		EOF for embedded DATA statements
156		EOF() channels
157	[4 bytes]	DIMN First word is the array
		Second word is dimension number in the array
158	[2 bytes]	DIMN Without dimension number

***** Various QDOS commands *****

160	[2 bytes]	GOTO watch out for Def Proc/Fun & REPEAT & IF/THEN/ELSE
161		STOP also NEW
162		READ integer
163		READ float
164		READ string
165	[4 bytes]	RESTORE
166		CLEAR
167	[8 bytes + (4*number of destinations)]	ON..GOTO
		1 st word - Number of destinations
		2 nd word - end marker?
		3 rd & 4 th words - Destination addresses (continues...)
168	[12 bytes + (4*number of destinations)]	ON..GOSUB
		1 st word - Number of destinations
		2 nd & 3 rd words - RETURN addresses
		4 th word - end marker?
		5 th & 6 th words - Destination addresses (continues...)
169	[4 bytes]	EXIT loop, Long GOTO
170	[4 bytes]	NEXT loop, Long GOTO
171		BLOCK
172	[4 bytes]	WHEN_ERROR 0
173	[4 bytes]	WHEN_ERROR 1
174		END_WHEN
175	[4 bytes]	RETRY

***** Channels *****

180	Check channel is open	(These may be the wrong way round)
181	Check if a channel is a window	
183	Colour Stipples (double and triple)	

***** Program initialization *****

190	Something to with procedure parameter passing (string)
191	Some kind of a marker
192	[2 bytes] FOR loop identifier (integer?)
193	[4 bytes] Variable initialization - String & Arrays (all)
194	[14 bytes] Used in BASIC program initialization of some sort
195	[2 bytes] Used in BASIC program initialization of some sort
196	[2 bytes] Variable initialization - Float
197	[2 bytes] Variable initialization - Integer
198	[2 bytes] Variable initialization - Float(2) - Function results?
199	Used in BASIC program initialization of some sort

***** Turbo Toolkit commands handled internally by the compiler *****

220		POKE\$
221		RETRY_HERE
222		MOVE_MEMORY

***** Turbo Toolkit Functions handled internally by the compiler *****

230		PEEK\$
231		OPTION_CMD\$
232	[2 bytes]	LEN(variable)
233		ERLIN%
234		ERNUM%

***** Compiler manipulation *****

240	[4 bytes]	Move program pointer to the Long word + A6 (Like GO TO)
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***** Odds *****

249		Unknown artefact of an extra word of \$4A46 after a go to in versions 5.00 - 5.09
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