

APPENDIX Q

SECTOR 0 Volume Information Block VIB

ADDRESS CONTENTS

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0000-0009 Disk name-up to 10 characters

000A-000B Total number of sectors on disk

	total	type	sec/trk	trks	bytes
>0168	360	SS/SD	9(>09)	40	92160
>0280	640	SS/DD	16(>10)	40	163840
>02D0	720	SS/DD	18(>12)	40	184320
>02D0	720	DS/SD	9(>09)	40	184320
>0500	1280	DS/DD	16(>10)	40	327680
>05A0	1440	DS/DD	18(>12)	40	368640
>05A0	1440	SS/DD	18(>12)	80	368640
>0A00	2560	DS/QD	16(>10)	80	655360
>0B40	2880	DS/QD	18(>12)	80	737280
>1680	5760	HiDen	36(>24)	80	1474560

000C Number of sectors/track (see_ above)

000D-000F DSK (>44534B)

0010 >50 = Disk protected >20 = Not protected

0011 Number of tracks >28=40 >50=80

0012-0013 Number of sides/density

>0101	SS/SD	>0202	DS/DD
>0102	SS/DD	>0202	DS/QD
>0201	DS/SD	>0203	DS/HD

0014-001D 1st Sub Directory Filename

001E-001F Directory link for File Descriptor Records of 1st SubDir See

0020-0029 2nd Sub Directory Filename NOTE 1

002A-002B Directory link for File Descriptor Records of 2nd SubDir below

002C-0035 3rd Sub Directory Filename

0036-0037 Directory link for File Descriptor Records of 3rd Sub Dir

0038-00EB Sector allocation bit map (AU)

This is a sector by sector bit map of sector use 1=used
0=available. The first byte at
>38 is for sectors 0 through
7(a fresh formatted DD or less with no subdirectories will

have >03 which equals 0000 0011 or 2 sectors used---read right to left---sector 0 and
sector 1), next byte is for
sectors 8 through 15, and so on. For QD each bit equals 2

sectors, HiDen equals 4 sectors.

NOTE 1

It is highly recommended that you create sub directory prior
to placing files on a disk because
MDOS uses the next
available sector to create the directory link to the file
descriptor records,
which would place the sub directories
directory link at sector 2, 3, 4 and may make it possible

for recovery of files easier in case the disk crashes.

SECTOR 1 Directory link

Each 16-bit word lists the sector number of the File
Descriptor Record for an allocated file, in
alphabetical
order of the filenames. Each Subdirectory will have a sector identified as its
directory link and will be
structured the same as sector 1.