```
BOOT SECTOR & VOLUME BOOT RECORD (VBR) -> logical sector 0
Sector BPB Field Description
offset offset length
-----BOOT SECTOR BEGIN-
        BYTE EB (JMP)
BYTE ADR (to BOOT LOADER ADDRESS)
BYTE 90 (NOP)
0 \times 0 0 0
                                                       EB 3C -> JMP 003E
0 \times 0.02
             8 BYTE SYSTEM ID, OEM NAME
-----BPB BEGIN-
0x00B 0x00 WORD Bytes per logical sector 0x00D 0x02 BYTE Logical sectors per cluster 0x00E 0x03 WORD Reserved logical sectors
0x010 0x05 BYTE Number of FATs
0x011 0x06 WORD Root directory entries
0x013 0x08 WORD Total logical sectors
0x015 0x0A BYTE Media descriptor
0x016 0x0B WORD Logical sectors per FAT
----- DOS 3.31 -----
0x018 0x0D WORD Physical sectors per track 0x01A 0x0F WORD Number of heads 0x01C 0x11 DWORD Hidden sectors
0x020 0x15 DWORD Large total logical sectors
----- DOS 4.0 -----
0x024 0x19 BYTE Physical drive number 0x025 0x1A BYTE Flags etc.
0x026 0x1B BYTE Extended boot signature
0x027 0x1C DWORD Volume serial number
0x02B 0x20 11 BYTE Volume label 0x036 0x2B 8 BYTE File-system type
                    -----BPB END---
                     DOS BOOT LOADER
       BYTE
0 \times 1 FE
                     0x55 (Boot sector signature)
0x1FF
             BYTE
                     0xAA
----BOOT SECTOR END-
0 \times 200
             512 BYTE
BOOT SECTOR (512 byte)
    00 01 02 03 04 05 06 07-08 09 0A 0B 0C 0D 0E 0F
0000 EB 3C 90 4D 53 44 4F 53-35 2E 30 00 02 02 01 00 .<.MSDOS5.0.....
.p.....
    00 00 00 00 00 00 29 08-19 25 3B 52 45 54 52 4F
                                                 .....)..%;RETRO
0030 43 4D 50 20 20 20 46 41-54 31 32 20 20 20 FA 33 CMP FAT12 .3
0040 C0 8E D0 BC 00 7C 16 07-BB 78 00 36 C5 37 1E 56 .....|...x.6.7.V
0050 16 53 BF 3E 7C B9 0B 00-FC F3 A4 06 1F C6 45 FE .S.>|........
0060 OF 8B OE 18 7C 88 4D F9-89 47 02 C7 07 3E 7C FB
                                                ....|.M..G...>|.
0070 CD 13 72 79 33 CO 39 06-13 7C 74 08 8B 0E 13 7C
                                                 ..ry3.9..|t....|
0080 89 0E 20 7C A0 10 7C F7-26 16 7C 03 06 1C 7C 13
                                                 .. |..|.&.|...|.
0090 16 1E 7C 03 06 0E 7C 83-D2 00 A3 50 7C 89 16 52
                                                 ..|...|....P|..R
00A0 7C A3 49 7C 89 16 4B 7C-B8 20 00 F7 26 11 7C 8B |.I|..K|. ..&.|.
     1E 0B 7C 03 C3 48 F7 F3-01 06 49 7C 83 16 4B 7C
                                                ..|..H....I|..K|
00C0 00 BB 00 05 8B 16 52 7C-A1 50 7C E8 92 00 72 1D
                                                 .....R|.P|...r.
00D0 B0 01 E8 AC 00 72 16 8B-FB B9 0B 00 BE DF 7D F3
                                                 00E0 A6 75 0A 8D 7F 20 B9 0B-00 F3 A6 74 18 BE 9E 7D .u...t....}
00F0 E8 5F 00 33 C0 CD 16 5E-1F 8F 04 8F 44 02 CD 19
                                                 ._.3...^...D...
     58 58 58 EB E8 8B 47 1A-48 48 8A 1E 0D 7C 32 FF
0100
                                                XXX...G.HH...|2.
0110 F7 E3 03 06 49 7C 13 16-4B 7C BB 00 07 B9 03 00
                                                 ....I|..K|.....
0120 50 52 51 E8 3A 00 72 D8-B0 01 E8 54 00 59 5A 58 PRQ.:.r...T.YZX
15 7C 8A 16 24 7C 8B 1E-49 7C A1 4B 7C EA 00 00
                                                .|..$|..I|.K|...
    70 00 AC 0A C0 74 29 B4-0E BB 07 00 CD 10 EB F2
0150
                                                 p....t)......
```

0160 3B 16 18 7C 73 19 F7 36-18 7C FE C2 88 16 4F 7C

0180 C3 B4 02 8B 16 4D 7C B1-06 D2 E6 0A 36 4F 7C 8B

01A0 4B 65 69 6E 20 53 79 73-74 65 6D 20 6F 64 65 72

01C0 OD OA 57 65 63 68 73 65-6C 6E 20 75 6E 64 20 54

01E0 4F 20 20 20 20 20 20 53-59 53 4D 53 44 4F 53 20

0190

01D0

CA 86 E9 8A 16 24 7C 8A-36 25 7C CD 13 C3 0D 0A

61 73 74 65 20 64 72 81-63 6B 65 6E 0D 0A 00 49

0170 33 D2 F7 36 1A 7C 88 16-25 7C A3 4D 7C F8 C3 F9 3..6.|..%|.M|...

01B0 20 4C 61 75 66 77 65 72-6B 73 66 65 68 6C 65 72 Laufwerksfehler

;..|s..6.|...0|

....M|....60|.

....\$|.6%|....

Kein System oder

..Wechseln und T

aste dr.cken...I

O SYSMSDOS