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This is track 0, Sector 0 as shipped. It is set to be compatible with TRSDOS 6. The byte to be changed is F4 and is underlined below. It is 85H as shipped. If you want to be able to read and write to doublesided disk created under 1.7 or 1.71 then change the byte to 05H

HEX	00	0000	1100	0000	0000	010C	0000	0000	0000	
	10	0000	0000	0001	2201	0000	208F	0007	BB03	
	20	003C	0000	0006	674B	3000	FF00	00C3	0044	. <gk<d< td=""></gk<d<>
DRV	30	C3A1	07F6	373E	AFC3	0002	0101	0702	1A07	7>
5	40	0055	EFF0	784C	084C	9901	B202	0000	237E	.UxL.L#~
	50	FE20	28FA	FE3A	DOFE	303D	3C3F	C900	0000	. (:0= </td
	60	0000	0000	0000	0000	0000	0000	0000	0000	
TRK	70	0000	0000	0000	0000	0000	0000	0000	0000	
000	80	0000	0000	0000	0000	0000	0000	0000	0000	
00H	90	0000	0000	0000	0000	0000	0000	0000	0000	
	A0	0000	0000	0000	0000	0000	0000	0000	0000	
SEC	B0	0000	0000	0000	0000	0000	0000	0000	0000	
000	CO	0000	0000	0000	0000	0000	0000	0000	0000	
00H	D0	0000	0000	0000	0000	0000	0000	0000	0000	
	EO	0000	0000	0000	0000	0000	0000	0000	0000	
STD	FO	OOFF	0000	8504	C800	0100	0000	0000	0000	
				150						
Thi	s is	how t	the se	ector	looks	s afte	er the	e char	nge.	
									42.62	
Thi	00	0000	1100	0000	0000	010C	0000	0000	0000	
	00	0000	1100	0000	0000 2201	010C 0000	0000 208F	0000	0000 BB03	"
HEX	00 10 20	0000 0000 003C	1100 0000 0000	0000 0001 0006	0000 2201 674B	010C 0000 3C00	0000 208F FF00	0000 0007 00C3	0000 BB03 0044	"
HEX DRV	00 10 20 30	0000 0000 003C C3A1	1100 0000 0000 07F6	0000 0001 0006 373E	0000 2201 674B AFC3	010C 0000 3C00 0002	0000 208F FF00 0101	0000 0007 00C3 0702	0000 BB03 0044 1A07	gK <d< td=""></d<>
HEX	00 10 20 30 40	0000 0000 003C C3A1 0055	1100 0000 0000 07F6 EFF0	0000 0001 0006 373E 784C	0000 2201 674B AFC3 084C	010C 0000 3C00 0002 9901	0000 208F FF00 0101 B202	0000 0007 00C3 0702 0000	0000 BB03 0044 1A07 237E	gK <d7>#~</d7>
HEX DRV	00 10 20 30 40 50	0000 0000 003C C3A1 0055 FE20	1100 0000 0000 07F6 EFF0 28FA	0000 0001 0006 373E 784C FE3A	0000 2201 674B AFC3 084C D0FE	010C 0000 3C00 0002 9901 303D	0000 208F FF00 0101 B202 3C3F	0000 0007 00C3 0702 0000 C900	0000 BB03 0044 1A07 237E 0000	gK <d 7>#~ .UxL.L#~</d
HEX DRV 5	00 10 20 30 40 50 60	0000 0000 003C C3A1 0055 FE20 0000	1100 0000 0000 07F6 EFF0 28FA 0000	0000 0001 0006 373E 784C FE3A 0000	0000 2201 674B AFC3 084C D0FE 0000	010C 0000 3C00 0002 9901 303D 0000	0000 208F FF00 0101 B202 3C3F 0000	0000 0007 00C3 0702 0000 C900	0000 BB03 0044 1A07 237E 0000 0000	gK <d7>#~ .(0=<?</td></d7>
HEX DRV 5	00 10 20 30 40 50 60 70	0000 0000 003C C3A1 0055 FE20 0000	1100 0000 0000 07F6 EFF0 28FA 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000	0000 0007 00C3 0702 0000 C900 0000	0000 BB03 0044 1A07 237E 0000 0000	gK <d7>#~ .(:.0=<?</td></d7>
DRV 5 TRK 000	00 10 20 30 40 50 60 70 80	0000 0000 003C C3A1 0055 FE20 0000 0000	1100 0000 0000 07F6 EFF0 28FA 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000	gK <d7>#~ .(0=<?</td></d7>
HEX DRV 5	00 10 20 30 40 50 60 70 80 90	0000 0000 003C C3A1 0055 FE20 0000 0000 0000	1100 0000 0000 07F6 EFF0 28FA 0000 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000 0000	0000 2201 674B AFC3 084C DOFE 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000 0000	
DRV 5 TRK 000	00 10 20 30 40 50 60 70 80 90 A0	0000 0000 003C C3A1 0055 FE20 0000 0000 0000	1100 0000 07F6 EFF0 28FA 0000 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000 0000	
DRV 5 TRK 000 00H	00 10 20 30 40 50 60 70 80 90 A 0 B0	0000 0000 003C C3A1 0055 FE20 0000 0000 0000 0000	1100 0000 07F6 EFF0 28FA 0000 0000 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000 0000 0000	
DRV 5 TRK 000 00H SEC	00 10 20 30 40 50 60 70 80 90 A0 B0 C0	0000 0000 003C C3A1 0055 FE20 0000 0000 0000 0000	1100 0000 07F6 EFF0 28FA 0000 0000 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000 0000 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000 0000 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000 0000 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000 0000 0000 0000	
DRV 5 TRK 000 00H	00 10 20 30 40 50 60 70 80 90 A0 B0 C0	0000 0000 003C C3A1 0055 FE20 0000 0000 0000 0000 0000	1100 0000 07F6 EFF0 28FA 0000 0000 0000 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000 0000 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000 0000 0000 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000 0000 0000 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000 0000 0000 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000 0000 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000 0000 0000 0000 0000	
DRV 5 TRK 000 00H SEC	00 10 20 30 40 50 60 70 80 90 A0 B0 C0 D0 E0	0000 0000 003C C3A1 0055 FE20 0000 0000 0000 0000	1100 0000 07F6 EFF0 28FA 0000 0000 0000 0000	0000 0001 0006 373E 784C FE3A 0000 0000 0000 0000	0000 2201 674B AFC3 084C D0FE 0000 0000 0000 0000 0000	010C 0000 3C00 0002 9901 303D 0000 0000 0000 0000 0000	0000 208F FF00 0101 B202 3C3F 0000 0000 0000 0000 0000	0000 0007 00C3 0702 0000 C900 0000 0000 0000 0000	0000 BB03 0044 1A07 237E 0000 0000 0000 0000 0000 0000	

Model 4p Hard disk BOOT Use the F2 key.

When we first started shipping the Hard Disk version we assumed the Model 4p would work just like the Model 4. Almost but not quite. The Model 4p BOOT ROM goes out and looks for a hard disk system. It doesn't find what it's looking for with Multidos 80/64. The solution is to hold down the F2 key when using the BOOT disk. By doing that, you tell the 4p that you are trying to BOOT a floppy. The 4p then behaves just like the 4 and everything works. When BOOTing the 4p as a Model III, you need

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to hold down the F2 when BOOTing the MODELA/III disk; and again when you BOOT Multidos after the MODELA/III ROM image has loaded.

SUMUP on 80/64 version 2.x and 17.1

The SUMUP produced for 80/64 is able to recognize the screen size currently being used by 80/64. The location it checks to do this was changed in 2.0 and later. If you ordered SUMUP with 80/64, you should have the correct version of SUMUP. If you already have SUMUP, then you need to ZAP one byte to make it work on 80/64 version 2.0. If you want to put the SUMUP that came with your version 2.1 80/64 on a 1.7 or 1.71 system disk, to ZAP that one byte to the value for 1.7. Here's the ZAP.

SUMUP for use on version 1.7 or 1.71

Byte DB should be 13

```
10 2020 20BF BF5F 5F5F 5F5F 5F5F 5F5F 5F5F
M DR 20 5F5F 5F5F 5F5F 5F5F 5F5F 5F5F 5F8F
   30 BF4E 3D4E 4557 203A 403D 2B2F 2D3A 2050 .N=NEW :@=+/-: P
   40 3D4E 4F20 203A 2065 5869 74BF BFBF BFBF =NO : eXit....
M 03 70 00FD 23C9 7E23 FE20 D84F CD12 5618 F5C5 ..#.~#. .O..V...
   80 E5D5 0118 00ED B0E1 0600 DD4E 1F09 EBE1 .....N....
 SE 90 09C1 10EB C921 A963 11CD 5201 0500 EDB0 ....!.c..R.....
 14 AO CD94 6421 3964 3E00 EDB1 2B36 03C9 FDE5 ..d!9d>...+6....
 OE BO FD21 8038 CD0C 5641 FD21 0138 CD0C 56FD .!.8..VA.!.8..V.
CO E1CB 50C8 CB59 C8FD E5DD E5E5 DDE1 DD7E ..P..Y......
FILE DO 1BCD D544 3A5A 00DD 7720 CD13 0100 8056 ...D:Z..w ....V
0002 E0 44DD 771F 3E00 DD77 1EFD 2115 40FD 7E05 D.w.>..w..!.@.
002H F0 FDCB 05AE DD77 1C1E 0EC5 D506 00DD 5E1F ....w......
SUMUP for use on version 2.0 of 80/64
Byte DB should be 16
10 2020 20BF BF5F 5F5F 5F5F 5F5F 5F5F 5F5F
40 3D4E 4F20 203A 2065 5869 74BF BFBF BFBF =NO : eXit....
M 1D 70 00FD 23C9 7E23 FE20 D84F CD12 5618 F5C5 ..#.~#. .O..V...
SE 90 09C1 10EB C921 A963 11CD 5201 0500 EDB0 ....!.c..R.....
 22 AO CD94 6421 3964 3E00 EDB1 2B36 03C9 FDE5 ..d!9d>...+6....
 16 B0 FD21 8038 CD0C 5641 FD21 0138 CD0C 56FD .!.8..VA.!.8..V.
    CO E1CB 50C8 CB59 C8FD E5DD E5E5 DDE1 DD7E ..P..Y......
```