

CONFIGURATION INFORMATION

This copy of 86-DOS includes disk drivers for the Cromemco 4FDC disk controller. Console I/O uses the serial port of the SCP CPU Support Card, and printer output goes to the Support Card parallel port. The disk configuration assumed is:

TWO 8" DRIVES (A PERSCI 277) AND ONE 5" DRIVE

The CPU Support Card should simply be set for normal Monitor operation, with all switches of S1 on. Monitor versions 1.4C or 1.5C are needed to boot the disk. Switch 0 of S2 may be turned on to automatically boot without entering the Monitor. Be sure the disk controller board has been modified per the addendum to 8086 Monitor manual.

The first two tracks of the disk are reserved for the 86-DOS system. Track 0, sector 1 is loaded and executed at absolute address 200 hex by the Boot command of the Monitor. This small program at 200 hex then loads the rest of track 0 and all of track 1, starting at absolute address 400 hex. Control transfers with an inter-segment jump to location 400 hex such that the instruction pointer is 0 and the code segment register is 40 hex (JMP 0,40H with our assembler).

The I/O system occupies the next 8 sectors (1K bytes) on the disk after the boot sector, i.e., track 0 sectors 2 through 9. The present I/O drivers occupy only about half this space.

86-DOS starts on track 0, sector 10. It occupies less than 4K (32 sectors), which means it overlaps partly onto track 1.

There is nothing sacred about assignments within the first two tracks of the disk. In particular, the I/O system may be any size, with 86-DOS starting right after it. 86-DOS is relocatable to any 16-byte (segment) boundary. See the section called "Customizing the I/O System" for information on changing the I/O system and linking it to 86-DOS.