SCP 8086 Monitor Update - Version 1.6

Startup operation of the SCP 8086 computer system, including bootstrap loading from disk, is performed by the SCP 8086 Monitor program. This program resides in a 2K-byte, 24-pin Intel-like 2716 EPROM found on the lower left-hand corner of the CPU Support board. The monitor's operation is controlled by an 8-position DIP switch, S2, found on the lower right-hand corner of the CPU Support board.

The following settings apply to positions 1 to 8 of switch S2:

	S2	Description
	1 -->	Auto boot
	2 <--	large/small drive boot
default	3 <--	hard-disk/floppy disk
	4 <--	baud rate
settings	5 <--	" "
	6 <--	not used
	7 <--	" "
	8 <--	" "
	ON -->	OFF <--

Auto boot -

ON The monitor program will be bypassed and the system will boot after reset once the baud rate has been determined.

OFF The system will begin running the monitor program. A ">" will appear on the screen expecting a monitor command. See the 8086 Monitor manual or press a capital "B" followed by a return key.

Large/small drive boot -

ON For booting with a 5-1/4-inch disk in drive A.

OFF For booting with an 8-inch disk in drive A.

Hard disk/floppy disk -

ON For booting with a hard disk (not currently implemented).

OFF For booting with a floppy disk in drive A.

Baud rate -

Positions 4 and 5 can be set to correspond to the speed of a terminal.

4	5	
OFF	OFF	Auto baud rate
ON	OFF	19200 baud.
OFF	ON	9600 baud.
ON	ON	300 baud.

Auto baud rate selection by the monitor program occurs when the user presses the return key several times at the terminal. The monitor will select a baud rate of 110, 150, 300, 1200, 9600, or 19200.

Future settings -

Positions 6, 7, and 8 are not presently used and should be OFF.