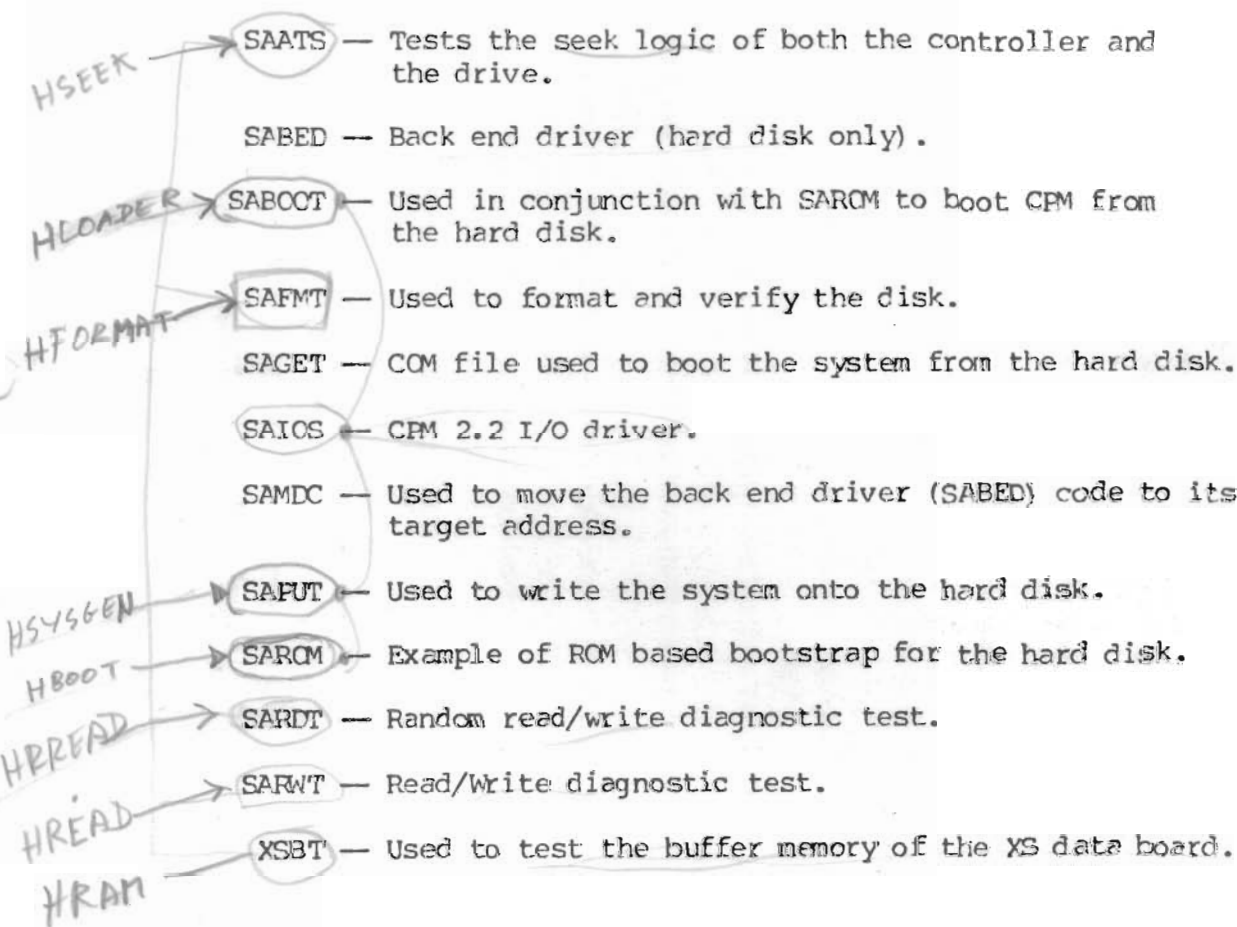


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 ** SGS/STS/SGR/STR **
 =====

This is the second release of support software for CPM 2.2. The software is compatible with the following XCOMP controllers: SGS, STS, SGR, & STR.

All the software on the diskette was written using the Digital Research macro assembler MAC.

The following programs are provided on the diskette:



A number of support programs (SAROM, SAGET, & SAPUT) do direct CRT I/O. These programs will require modification to run properly in your system.

A number of the programs report errors. Some of the error messages include information about the drive and controller status and the place (on the disk) where the error(s) occurred. Abbreviations are used and the data is printed in hex. Abbreviations used are:

- DST = Drive Status
- CST = Controller Status
- CYL = Cylinder
- HDP = Head

If you choose to use a set of I/O addresses other than 70H-77H (XCMP standard) you'll need to change the equate statement CBASE in each program.

Please feel free to contact me regarding any questions that you may have regarding the operation of the disk drive, the controller, or the software.

Douglas J. Huggard
XCMP, Inc.
7566 Trade Street
San Diego, Cal. 92121

Phone: ⁶¹⁹(714) 271-8730

TELEX: 182786 (XCMP INC SDG)

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*Doug Huggard (619) 695-2155
his desk.*

MINISCRIBES

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**** Back End Driver ****

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INTRODUCTION

SABED is a back end driver for CP/M based systems. It allows the user to attach hard disk to a current system without any alteration to the user's CBIOS. This is accomplished by moving the current CP/M system down 2K in memory; the back end driver is then loaded into the free space made available at the end of memory. Once loaded, SABED alters the user's CBIOS Jump Table to point to itself. It then arbitrates between calls for the floppy disk and calls for the hard disk.

CONFIGURING THE DRIVER

Lets assume that you are currently running a 64K floppy system and you want to use SABED. Using directions supplied by Digital Research or the manufacturer of your system, build a 62K CP/M system. This opens up 2K of RAM for the back end driver. In the program SABED.ASM alter the equate statement STRT to read "STRT EQU 62*1024". In the program SAMDC.ASM alter the equate statement TAIR to read "TAIR EQU 62*1024". Assemble both SABED and SAMDC. Use DDT to create a COM file called BED.COM; its done like this:

```
A>DDT SAMDC.HEX           ;Load DDT & SAMDC (@ 100H) into RAM
-ISABED.HEX
-RC00                    ;Read SABED into RAM starting @ 400H
-GO                      ;Warm Boot CP/M
A>SAVE 7 BED.COM         ;Create the COM file
```

USING THE DRIVER

Boot your floppy disk system as you would normally. Execute the file BED.COM by typing: "A>BED <CR>". This will load the driver code. The hard disk becomes the next drive in line; i.e., if you are currently using two floppy disks as drives A: & B:, the hard disk will automatically become drive C:.

B>

XSUB
DDT CPM62.COM
ISAPUT.HEX
R
ISABOOT.HEX
R880
ISAICS.HEX
R2D80
GO
SAVE 38 SA62.COM

E>