S E R V I C E   N O T E

SUPERSEDES: None

HP 16500B Logic Analyzer Mainframe

Serial Numbers: 0000A00000 / 9999Z99999

Duplicate Service Notes: None

170 MB Hard Disk Drive Update for 16500B Logic Analyzer Mainframe

To Be Performed By: HP-Qualified Personnel

The 85 MB hard disk drive and its exchange replacement are no longer available. When upgrading or replacing the hard drive in the 16500B Logic Analysis Mainframe order HP part number 9164-0371.

Tools and Equipment Required

T10 Torx Screwdriver
T15 Torx Screwdriver
#2 Posidrive (for removal of covers on older products)

Installation:

Installation of the 170MB hard disk drive is identical to the 85 MB hard disk drive.

1. Refer to the 16500B service manual, HP part number 16500-90920 section 6-12 for installation instructions.

Continued

DATE: 08 February 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:
INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
BS	0800	

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2. Installing the 16500B Operating System and Testing:

A. Power up the HP 16500B. The hard disk drive will fail the power-up self test because the hard drive is not formatted. The flexible disk drive test will yield a "No Disk" error message. See that the other power-up self tests pass. Remove power from the HP 16500B.

B. Get Disk 1 of the operating system flexible disks from the disk pouch that was provided with the HP 16500B mainframe. Insert Disk 1 in the mainframe flexible disk drive.

C. Again, power up the HP 16500B. The hard disk drive will fail the power-up self test because the hard drive is not formatted. This time the HP 16500B system configuration menu should appear. For safety, push the flexible disk drive eject button to pop the flexible disk from the drive mechanism.

D. Select Configuration, then at the pop-up menu select Hard Disk. Select Load, then at the pop-up menu select Format Disk. Select Execute and Continue to begin formatting the hard disk drive.

E. When formatting is complete, select Format Disk, then at the pop-up menu select Make Directory. Then select the directory name field, and using the pop-up QWERTY keypad type in the directory name SYSTEM. Select Execute and Continue.

F. Select Make Directory, then at the pop-up menu select Change Directory. The SYSTEM subdirectory should appear in the directory name field. Select Execute.

G. Re-insert Disk 1 in the flexible disk drive. Select Hard Disk, then at the pop-up menu select Flexible Disk. Use the RPG knob to scroll the file with the name SYSTEM in the blue cursor field.

H. Select Load, then at the pop-up menu select Copy. Select the destination filename field. On the pop-up QWERTY keypad, select CLEAR, then select SPACE, then select DONE. The destination filename \SYSTEM\SYSTEM should appear in the destination filename field. If the on: field does not say Hard Disk, then select the on: field, then select Hard Disk. Select Execute, then select Continue.

I. When the file copy is complete, move the RPG knob clockwise so that the next filename appears under the blue cursor field. Repeat the previous step to copy the file onto the hard disk drive \SYSTEM subdirectory.

J. When all files from Disk 1 are copied to the hard disk drive \SYSTEM subdirectory, remove Disk 1 and insert Disk 2 in the flexible disk drive. Spin the RPG knob to read the directory of the files on Disk 2. Repeat steps 8 and 9 until all files from Disk 2 are copied onto the hard disk drive \SYSTEM subdirectory.

Note: As of the date of this writing, the HP 16500B operating system resides on only two flexible disks. If at a later date a third flexible disk is added to the disk pouch, the files from this Disk 3 must be copied onto the hard disk \SYSTEM subdirectory as well.

K. When all files from Disk 2 are copied to the hard disk drive \SYSTEM subdirectory, insert the PV Disk in the flexible disk drive. Spin the RPG knob to read the directory of the files on the PV Disk. Repeat steps 8 and 9 until all files from the PV Disk are copied onto the hard disk drive \SYSTEM subdirectory.

L. Remove the PV Disk from the flexible disk drive. Insert a blank disk in the flexible disk drive. If the flexible disk is not formatted, select Copy, then select Format. Select Execute, then select Continue to begin formatting the blank flexible disk.

M. When formatting is complete, turn off, then turn on the HP 16500B. All power-up tests should pass, and the system configuration menu should appear.

N. Select Configuration, then at the pop-up menu select Test. Select Touch Box to Load Test System. The PV operating system will now load.

O. Select Test System, then at the pop-up menu select Mainframe Test. Install the RS-232 loopback connector on the RS-232 port on the rear of the HP 16500B. The blank flexible disk should still be in the flexible disk drive.

P. Select All Systems Test. All tests will run except for the Color Display Test. It is not necessary to run the Color Display Test. When all performance is verified. If any test fails, refer to the HP 16500B service manual troubleshooting procedures.

Q. Remove power from the HP 16500B.

For additional information on installing the operating system consult the the 16500B Users Reference, HP part number 16500-97000.

The total time for this installation is about 1.0 hour.