HP1652B Logic Analyzer System Disk Creation

Program and code files are from:
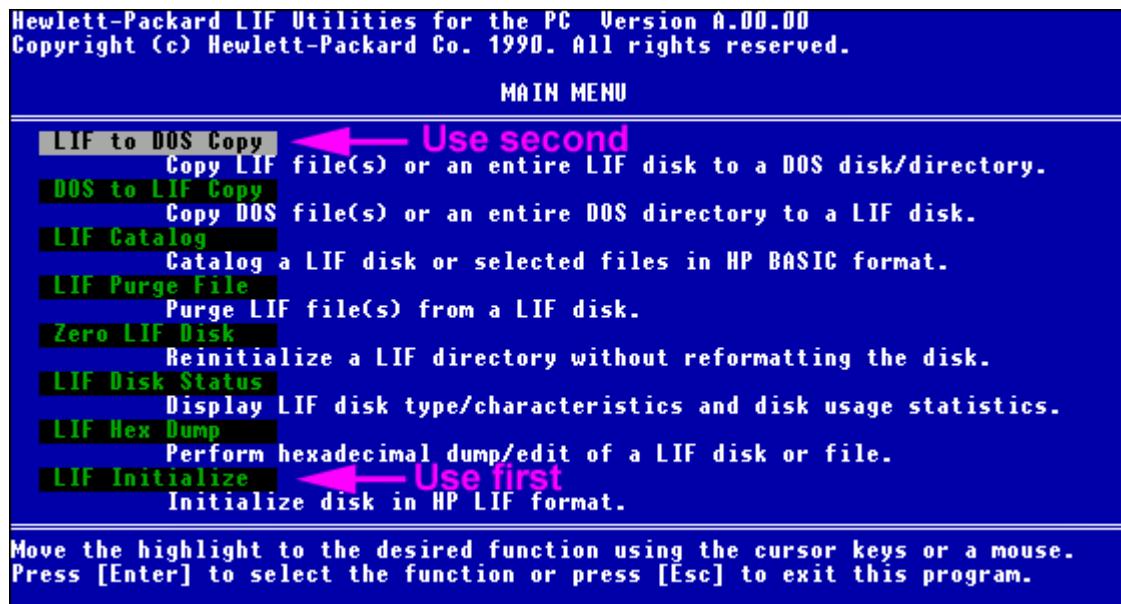
`ftp.agilent.com/pub/callpub/ddt/portbls/1652b`

I have had luck with both "real" 720KB disks and the more common 1.44MB "HD" disks. The 1.44MD "HD" disks must have their second hole (density sense) taped over.
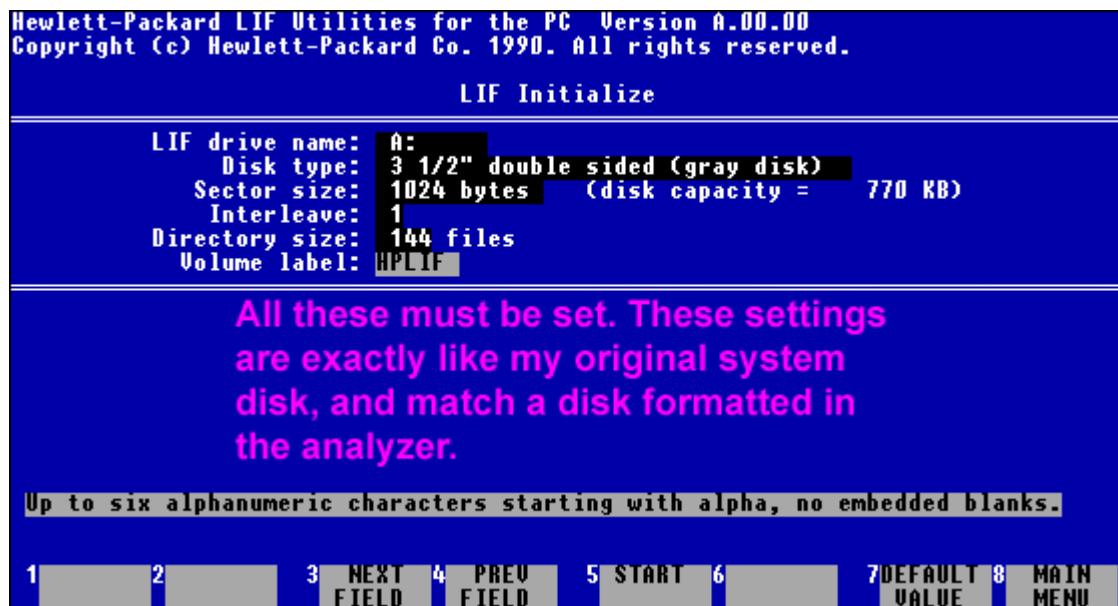
For some reason, I have had to format some disks twice, even after bulk erasing. I do not know if it is my cruddy floppy drives, cruddy floppies, or what. Once a disk works, they seem to be reliable.

These screens assume that lifutil.exe, system_ and pvtest_ are all in the same directory (like they are on this CDROM).
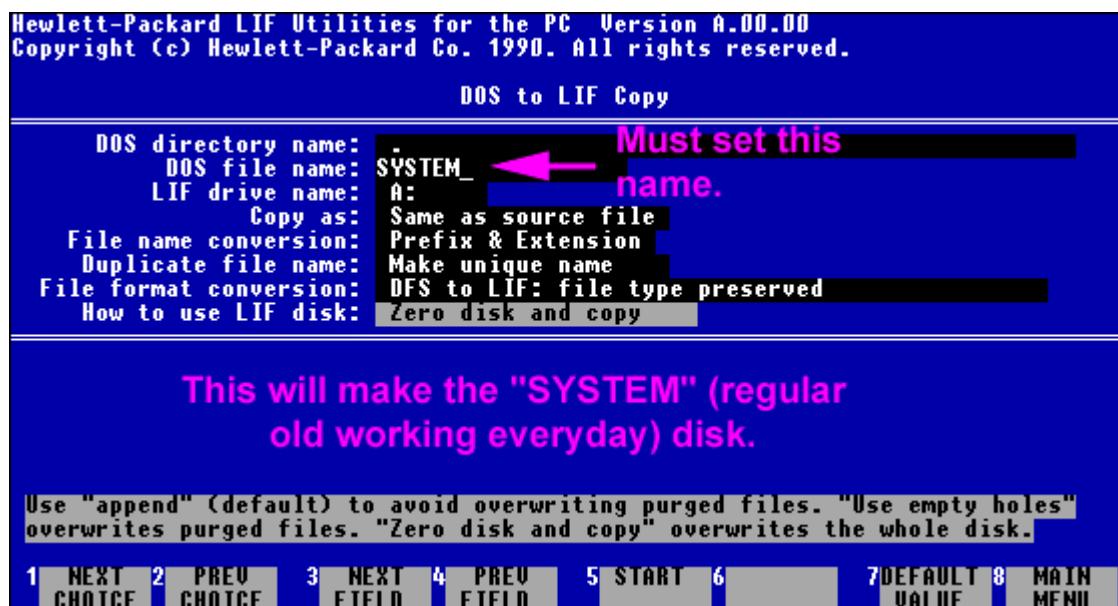
Here is the main lifutil.exe screen. I had success on a Windows 98 box running a full–screen DOS prompt. You might have to make a DOS boot disk if your system is NT, W2K, or Linux.
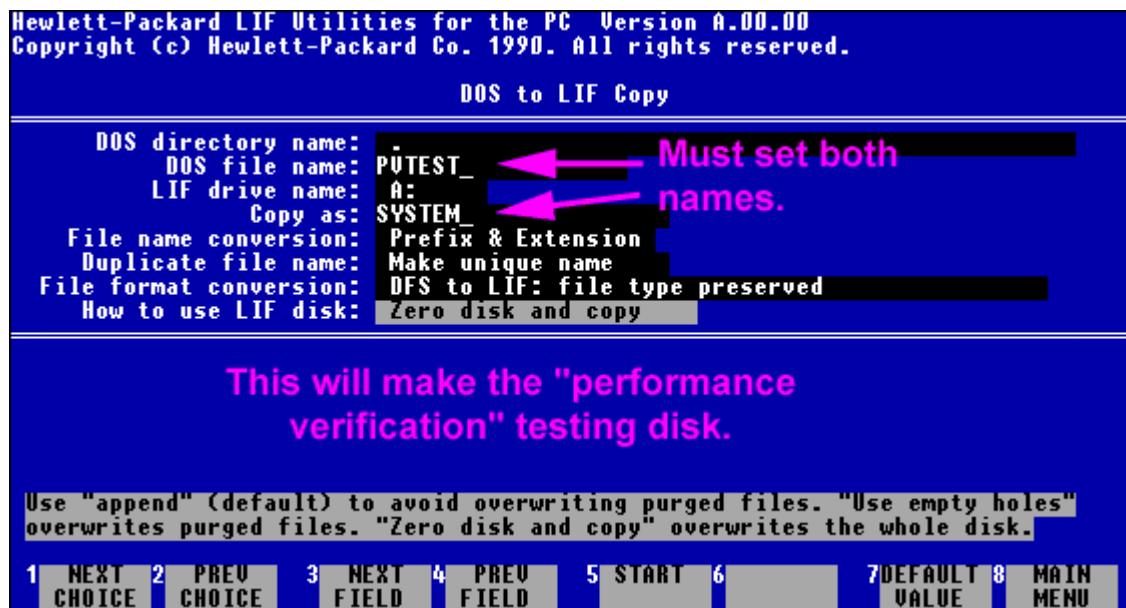
Here is the format screen I use:

```
Hewlett-Packard LIF Utilities for the PC  Version A.00.00
Copyright (c) Hewlett-Packard Co. 1990. All rights reserved.

                          LIF Initialize

           LIF drive name: A:
               Disk type: 3 1/2" double sided (gray disk)
             Sector size: 1024 bytes    (disk capacity =    770 KB)
              Interleave: 1
          Directory size: 144 files
            Volume label: HPLIF

          All these must be set. These settings
          are exactly like my original system
          disk, and match a disk formatted in
          the analyzer.

 Up to six alphanumeric characters starting with alpha, no embedded blanks.

 1           2           3  NEXT   4   PREV   5 START  6            7 DEFAULT 8  MAIN
                             FIELD      FIELD                         VALUE      MENU
```

Here is the screen for making the system disk:

```
Hewlett-Packard LIF Utilities for the PC  Version A.00.00
Copyright (c) Hewlett-Packard Co. 1990. All rights reserved.

                          DOS to LIF Copy

      DOS directory name: .              Must set this
         DOS file name: SYSTEM_  ◄━━     name.
          LIF drive name: A:
                Copy as: Same as source file
     File name conversion: Prefix & Extension
     Duplicate file name: Make unique name
   File format conversion: DFS to LIF: file type preserved
      How to use LIF disk: Zero disk and copy

          This will make the "SYSTEM" (regular
             old working everyday) disk.

 Use "append" (default) to avoid overwriting purged files. "Use empty holes"
 overwrites purged files. "Zero disk and copy" overwrites the whole disk.

 1  NEXT   2  PREV   3  NEXT   4  PREV   5 START  6            7 DEFAULT 8  MAIN
   CHOICE    CHOICE    FIELD      FIELD                          VALUE      MENU
```

Here is the screen for making the test disk.

DOS to LIF Copy

```
        DOS directory name:  .
           DOS file name:  PVTEST_      ◄───  Must set both
           LIF drive name:  A:                 names.
                Copy as:  SYSTEM_      ◄───
      File name conversion:  Prefix & Extension
     Duplicate file name:  Make unique name
    File format conversion:  DFS to LIF: file type preserved
       How to use LIF disk:  Zero disk and copy
```

This will make the "performance
verification" testing disk.

Use "append" (default) to avoid overwriting purged files. "Use empty holes"
overwrites purged files. "Zero disk and copy" overwrites the whole disk.

1 NEXT CHOICE	2 PREV CHOICE	3 NEXT FIELD	4 PREV FIELD	5 START	6	7 DEFAULT VALUE	8 MAIN MENU

Everything I know, I put in this file so I do not expect you to e-mail me, but I will give it just in case: *brent@baxsie.com*

Here is the original readme from the FTP site:

```
10:10 AM MDT 9/21/95

1652B operating system is version 2.11

part number for the disk pouch is 01652-68704

These files were saved on 9/21/95 by Doug Moloney X2757

LIFutil was written to run in DOS. It will NOT run in NT or 2000. Depending on the
hardware and BIOS, it may or may not run in Win95, Win98 or WinME.

Added by Aldo Hoyt 8/17/2001

You will see an executable -- LIFUTIL.EXE -- that will be used to do the conversion
from DOS to LIF.

You will first need to LIF initialize the diskettes and then do a DOS to LIF copy.
You can do this in your 1652B LA using 720 Kb disks.

Put all the DOS files in a directory on your PC hard drive.

NOTE:
Some file names may be longer than 8 characters in LIF.  The conversion to DOS
places a "." after the eighth character and the rest of the file name looks like an
extension.  LIFUTIL will rename them the same as if there was no extension.  For
example, rename "mixeddem.o1" to "mixeddemo1".

1.  Put a double-sided double density floppy (NOT a HD floppy) into A (B) drive of
the PC

   (A) FROM MS-DOS:
       1.  Start the Lifutil utility by typing LIFUTIL

       2.  LIF Initialize

           LIF Drive Name: A: (A:)
           Disk type:    3 1/2" double sided
           Sector size:  1024 bytes (disk capacity = 770 kb)
           Interleave:   2              (this is the default value)
           Directory size: 176 files    (this is the default value)
           Volume Label:   HPLIF
           Start the initialize with pressing of <f5> twice.
           After it's finished, press <f8> to exit
           Press <f8> again to get to LIF utility top-level menu

2. DOS to LIF Copy:

       DOS directory name: <the destination directory of the ftp>
       DOS File name:      Entire directory
       LIF Drive name:     A: (B:)
       Copy as:            same as source file   (don't rename file)
       FileName Conversion:  Prefix & Extension
       Duplicate file name:  make unique name
       File Format conversion:  {{ Use <F1> to select: }}
                       DFS to LIF: file type preserved
       How to use LIF disk:  Append to end of disk

Contributed by Doug Moloney and Doug Fryman  8/17/2001

If you add, change or delete anything in this folder please update this README file.
```