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**TLA 7UP Options 01 & 04
Hard Disk Drive Installation for
TLA 704 and TLA 711 Mainframes**

071-0845-00

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Hard Disk Drive Installation Instructions

If you are upgrading a TLA704 or TLA 711 Logic Analyzer to an 8.0 GB hard disk driver or higher, you need to install third-party driver software for proper operation.

Complete the following steps to install the hard disk drivers on your logic analyzer. If you already tried installing a high-capacity drive without using an appropriate disk manager driver, you may not be able to access the floppy disk drive. To recover from this condition, follow the steps under *Recovering from Boot Problems* at the end of this document.

Installing the High-Capacity Hard Disk Drive in a TLA 704 or TLA 711 Logic Analyzer

1. Download the proper driver (**dc25029.exe**) to a PC from the following URL:

    http://www.storage.ibm.com/techsup/hddtech/welcome.htm

NOTE. *To comply with the software license agreement, you must download and create a floppy disk with the Disk Manager software for each instrument on which you will install the software drivers. For more information, refer to the license agreement that comes with the Disk Manager software.*

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2. Insert a blank formatted floppy disk into your PC.

3. Launch the dc25029.exe application and follow the on-screen instructions to copy the Disk Manager software and drivers onto the floppy disk.

4. Install the hard disk:

    ■ For TLA 704 Mainframes, follow the instructions in the *TLA 7UP Mainframe Field Upgrade Kit Instruction Manual*

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(071-0572-02) beginning on page 4–5 to replace the hard disk and to set up the controller BIOS.

- For TLA 711 Mainframes, follow the instructions in the *TLA 7UP Mainframe Field Upgrade Kit Instruction Manual* (071-0572-02) beginning on page 4–17 to replace the hard disk and to set up the controller BIOS.

5. Insert the Windows 95 Start-up disk and reboot the logic analyzer from the floppy disk.

6. Remove the Windows Start-up disk and insert the floppy disk that you created in step 3. Type **dm** at the A:\> prompt to start the Disk Manager program.

7. Follow the on-screen instructions to install the new drivers. When you are asked to format the hard drive, select Yes and follow the remaining on-screen instructions.

NOTE. After installing the new drivers pay attention to the Important Information dialog box that displays at the end of the procedure and follow the three steps in the dialog box.

8. Refer to the *TLA 700 Series Installation Manual* (070-9774-02) to perform the software installation procedures beginning with *Reinstalling the Windows 95 Software* on page 58. Then complete the remaining procedures in Appendix B.

NOTE. While running Windows Setup, the program will detect an operating system on the hard disk and will recommend that you exit the Setup program. Do not exit the program; instead, select Continue Setup to continue with the installation procedure.

This completes the Windows 95 Installation and the Version 2.0 application software installation. To upgrade the operating system to Windows 98 SE and the Version 3.2 application software, continue with the following steps (these procedures assume that you have purchased TLA 7UP Option 07 and Option 08):

9. Refer to *External CD ROM Drive Installation* in the *TLA 7UP Mainframe Field Upgrade Kit Instruction Manual* (071-0572-02) to install an external CD ROM drive and the software drivers so that you can upgrade to the Windows 98 SE software.

10. Follow the instructions under *Windows 98 SE Upgrade Instructions* in the *TLA 7UP Mainframe Field Upgrade Kit* to install the Windows 98 SE operating system.

11. Follow the instructions under *TLA Application Software Version 3.2 Upgrade* in the *TLA 7UP Mainframe Field Upgrade Kit* to install the TLA application software and the QA+Win32 diagnostic software.

Recovering from Boot Problems

If you already tried installing a high-capacity drive without using an appropriate disk manager driver, you may not be able to access the floppy disk drive. Use the following procedures to restore the proper boot conditions for your floppy and hard disk drives.

1. Power on the logic analyzer and enter the BIOS setup by holding down the F2 key during the boot process.

2. Set the BIOS configuration type (IDE Adapter 0 Master) to Type 1.

3. Save the settings and reboot the logic analyzer using the emergency startup disk.

4. At the A:\ > prompt type `fdisk` and delete any existing partitions from the new hard disk drive.

5. Reboot the logic analyzer and enter the BIOS setup by holding down the F2 key during the boot process.

6. Set the BIOS configuration type (IDE Adapter 0 Master) to User.

7. Save the settings and reboot the logic analyzer using the emergency startup disk.

8. Refer to step 5 on page 2 of this document to install the new drivers and to reinstall the software on the hard disk.