

Agilent E5071CU Option 018 Hard Disk Drive Kit

User's Guide

Third Edition



Manufacturing No. E5071-90112

June 2007

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Manual Printing History

The manual's printing date and part number indicate its current edition. The printing date changes when a new edition is printed. (Minor corrections and updates that are incorporated at reprint do not cause the date to change.) The manual part number changes when extensive technical changes are incorporated.

Oct 2006	First Edition
May 2007	Second Edition
Jun 2007	Third Edition

Typeface Conventions

Sample (bold)	Boldface type is used when a term is defined or emphasis.
<i>Sample</i> (Italic)	Italic type is used for emphasis.
Sample key	Indicates a hardkey (key on the front panel or external keyboard) labeled "Sample." "key" may be omitted.
Sample menu/button/box	Indicates a menu/button/box on the screen labeled "Sample" which can be selected/executed by clicking. "menu," "button," or "box" may be omitted.
Sample block/toolbar	Indicates a block (group of hardkeys) or a toolbar (setup toolbar) labeled "Sample."
Sample 1 - Sample 2 - Sample 3	Indicates a sequential operation of Sample 1 , Sample 2 , and Sample 3 (menu, button, or box). "-" may be omitted.

1 **General Information**

This chapter describes the Hard Disk Drive Kit, contents of the kit, and required tools to install the Option 018 into the Agilent E5071C.

Option 018 Hard Disk Drive Kit

The purpose of this kit is to install the option 018 into the Agilent E5071C.

Contents of the Agilent E5071CU Option 018 Upgrade Kit

The kit includes the parts listed in Table 1-1. If anything is missing, contact the nearest Agilent Technologies office.

Table 1-1 **Contents of the Agilent E5071CU Option 018 Upgrade Kit**

Description	Qty.
Upgrade Manual (This manual)	1
Hard Disk for E5071C	1

2 **Option Installation**

This chapter describes the procedure to install the option 018 into the Agilent E5071C.

Introduction

This chapter describes the procedure to install Option 018 into the E5071C. The procedure consists of the following items.

- Installation Requirement
 - Removal Procedure
 - Replacement Procedure
 - Writing System Correction Data of Backup Memory to Removable HDD
 - Initial Registration of E5071C
 - Calibration of the Touch Screen
 - Caution for replacing the spare HDD with the original HDD
-

Update Procedure for Hard disk Type 1

This procedure is for Non-screw type hard disk (Type 1).

Installation Requirement

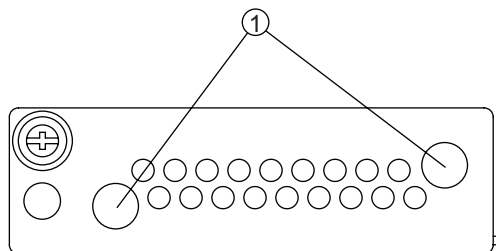
- 0960-2562 Key for Hard Disk Carrier

Preparation

It is required to replace the front plate before installing this removable hard disk to Type 1 user's system.

Step 1. Remove the two stickers (item 1).

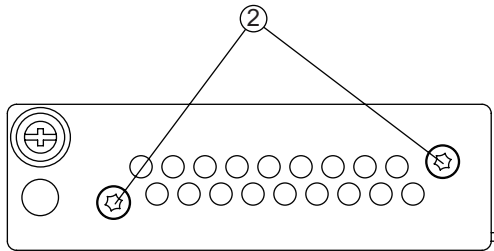
Figure 2-1



Item 1: E5070-87303

Step 2. Remove the two TORX T10 screws (item 2) that are fastening the frnt plate.

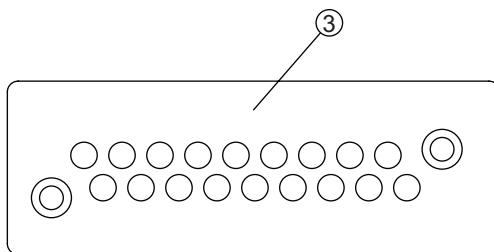
Figure 2-2



Item 2: 0515-2146

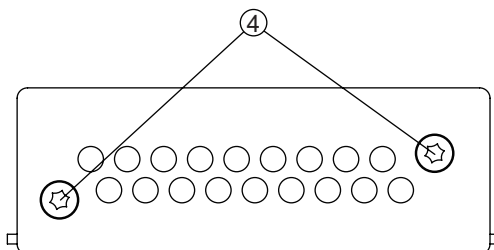
Step 3. Fasten the front plate for Typ 1 user (item 3) with TORX T10 screw (item 4).

Figure 2-3



Item 3: E5070-00657

Figure 2-4

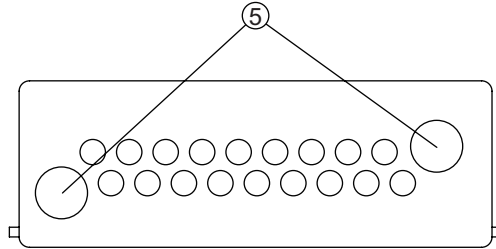


Item 4: 0515-2146

Option Installation
Update Procedure for Hard disk Type 1

Step 4. Put the stickers (item 5) on the TORX T10 screws in the front plate..

Figure 2-5



Item 5: E5070-87303

Removal Procedure

- Step 1.** Turn off the power.
- Step 2.** Inset the key in the lock and turn clockwise.
- Step 3.** Push the button under the lock and remove the hard disk.

Replacement Procedure

- Step 1.** Insert the hard disk into the slot.
- Step 2.** Turn the key to the left until it is locked.
- Step 3.** Remove the key.

Writing System Correction Data of Backup Memory to Removable HDD

The following is a description of the procedures to write the system correction data stored in the backup memory to the mounted removable HDD.

- Step 1.** Turn on the E5071C.
- Step 2.** Press **Macro Setup**
- Step 3.** Press **Load Project...** on the softkey menu.
- Step 4.** A dialog box appears to allow you to select a program to be loaded. Select **RestoreSysCorFile.vba** from the **D:\Agilent\Service** folder, and then press **Open** button.
- Step 5.** Press **Macro Run**
- Step 6.** **RestoreSysCorFile** dialog box appears (Figure 2-6). Click **OK**.

Figure 2-6 RestoreSysCorFile Dialog Box



CAUTION Once the program has ended, restart the E5071C to enable the system correction data.

Initial Registration of E5071C

When you start up the E5071C at the first time, you need to perform the initial registration of the Windows XP operating system of the E5071C.

NOTE You cannot use the front panel keys during the initial registration of the E5071C therefore connect the mouse and the keyboard before turning on the power.

NOTE If you perform the following procedure incorrectly, a message asking you whether to return to the previous registration screen and perform the registration appears. In this case, follow the instruction to return to the previous registration screen.

Step 1. Turns on the E5071C.

Step 2. The Windows XP Professional Setup wizard appears. Click the **Next >** button (Figure 2-7).

Figure 2-7 Windows XP Professional Setup wizard

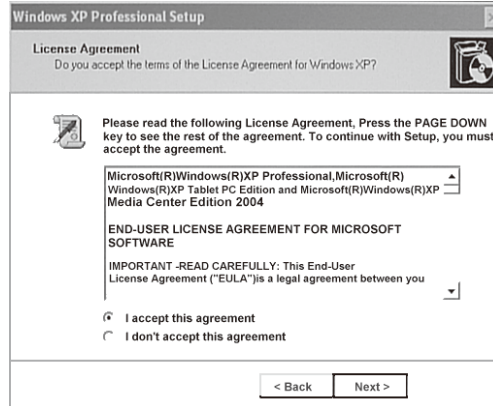


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Step 3. In the Windows XP Professional Setup dialog box, select the **I accept this agreement** box and click the **Next >** button (Figure 2-8).

Figure 2-8

Windows XP Professional Setup dialog box (1/2)

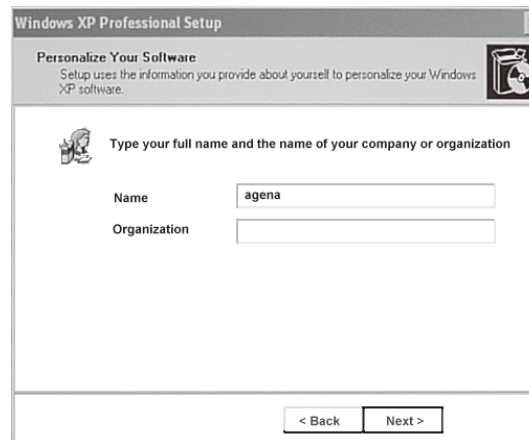


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Step 4. In the next dialog box, input **agena** in the **Name** box. Then, click the **Next>** button (Figure 2-9).

Figure 2-9

Windows XP Professional Setup dialog box (2/2)



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Step 5. After a while, the E5071C restart automatically. Then, the measurement display appears.

Calibration of the Touch Screen

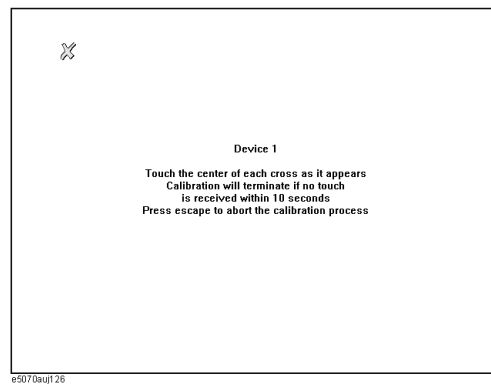
When you have replaced the HDD on an E5071C, you have to calibrate the touch screen. Follow the procedure described below to calibrate the touch screen.

- Step 1.** Press **System**.
- Step 2.** Press **Service Menu**.
- Step 3.** Press **Test Menu**.
- Step 4.** Press **Adjust Touch Screen**.

The touch screen calibration screen (Figure 2-10) appears.

Figure 2-10

Touch Panel Calibration Screen



- Step 5.** Touch the x mark on the upper left with your finger. The mark x appears also on the lower left, upper right, and lower right. Touch the x marks in that order with your finger.

Touching the four locations described above with your finger automatically concludes the touch screen calibration.

NOTE

With no operation on the touch screen calibration screen for a preset time, it automatically closes and the previous measurement screen reappears.

Caution for replacing the spare HDD with the original HDD

The RestoreSysCorFile.vba is required to write the system correction data stored in the backup memory to the original HDD.

Execute the following steps to copy the RestoreSysCorFile.vba file.

- Step 1.** Connect the USB pen drive to the USB port in the front of E5071C.
- Step 2.** Copy the RestoreSysCorFile.vba file from the D:\Agilent\Service folder to the USB Pen drive before replacing the spare HDD with the original HDD.
- Step 3.** Set the original HDD.
- Step 4.** Confirm that the RestoreSysCorFile.vba file exists on the D:\Agilent\Service of the original HDD.
- Step 5.** If the file does not exist, copy the RestoreSysCorFile.vba file from the USB pen drive to

the D:\Agilent\Service folder of the original HDD.

Update Procedure for Hard Disk Type 2

This procedure is for screw type hard disk (Type 2).

Installation Requirement

- 5188-4426 Key for Hard Disk Carrier

Removal Procedure

- Step 1.** Turn off the power.
- Step 2.** Inset the key in the lock and turn anti-clockwise.
- Step 3.** Open the screw in clockwise direction.
- Step 4.** Press the button under the screw.
- Step 5.** Remove the hard disk.

Replacement Procedure

- Step 1.** Insert the hard disk into the slot.
- Step 2.** Turn the screw in anti-clockwise direction until it is locked..
- Step 3.** Turn the key to the right until it is locked.
- Step 4.** Remove the key.
- Step 5.** Turn on the E5071C.

Writing System Correction Data of Backup Memory to Removable HDD

The following is a description of the procedures to write the system correction data stored in the backup memory to the mounted removable HDD.

- Step 1.** Turn on the E5071C.
- Step 2.** Press .
- Step 3.** Press **Load Project...** on the softkey menu.
- Step 4.** A dialog box appears to allow you to select a program to be loaded. Select `RestoreSysCorFile.vba` from the `D:\Agilent\Service` folder, and then press **Open** button.
- Step 5.** Press .
- Step 6.** `RestoreSysCorFile` dialog box appears (Figure 2-11). Click **OK**.

Figure 2-11 RestoreSysCorFile Dialog Box



CAUTION Once the program has ended, restart the E5071C to enable the system correction data.

Initial Registration of E5071C

When you start up the E5071C at the first time, you need to perform the initial registration of the Windows XP operating system of the E5071C.

NOTE You cannot use the front panel keys during the initial registration of the E5071C therefore connect the mouse and the keyboard before turning on the power.

NOTE If you perform the following procedure incorrectly, a message asking you whether to return to the previous registration screen and perform the registration appears. In this case, follow the instruction to return to the previous registration screen.

Step 1. Turns on the E5071C.

Step 2. The Windows XP Professional Setup wizard appears. Click the **Next >** button (Figure 2-12).

Figure 2-12 Windows XP Professional Setup wizard



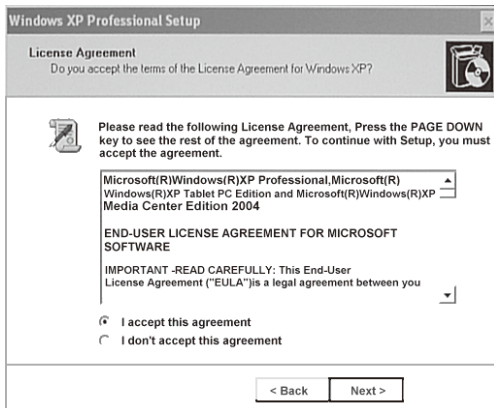
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Option Installation Update Procedure for Hard Disk Type 2

Step 3. In the Windows XP Professional Setup dialog box, select the **I accept this agreement** box and click the **Next >** button (Figure 2-13).

Figure 2-13

Windows XP Professional Setup dialog box (1/2)

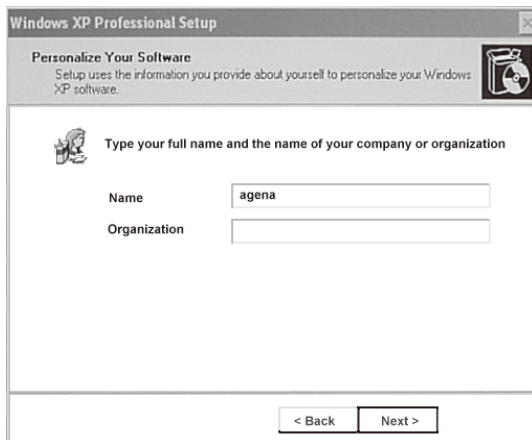


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Step 4. In the next dialog box, input **agena** in the **Name** box. Then, click the **Next>** button (Figure 2-14).

Figure 2-14

Windows XP Professional Setup dialog box (2/2)



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Step 5. After a while, the E5071C restart automatically. Then, the measurement display appears.

Calibration of the Touch Screen

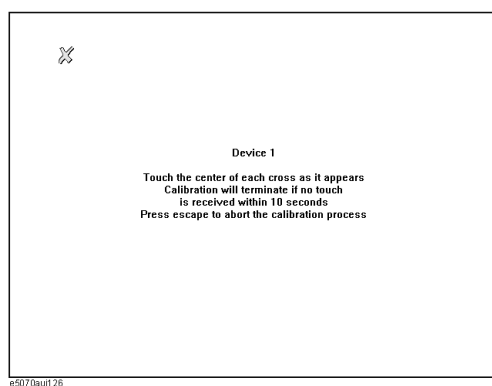
When you have replaced the HDD on an E5071C, you have to calibrate the touch screen. Follow the procedure described below to calibrate the touch screen.

- Step 1.** Press **System**.
- Step 2.** Press **Service Menu**.
- Step 3.** Press **Test Menu**.
- Step 4.** Press **Adjust Touch Screen**.

The touch screen calibration screen (Figure 2-15) appears.

Figure 2-15

Touch Panel Calibration Screen



- Step 5.** Touch the x mark on the upper left with your finger. The mark x appears also on the lower left, upper right, and lower right. Touch the x marks in that order with your finger.

Touching the four locations described above with your finger automatically concludes the touch screen calibration.

NOTE

With no operation on the touch screen calibration screen for a preset time, it automatically closes and the previous measurement screen reappears.

Caution for replacing the spare HDD with the original HDD

The RestoreSysCorFile.vba is required to write the system correction data stored in the backup memory to the original HDD.

Execute the following steps to copy the RestoreSysCorFile.vba file.

- Step 1.** Connect the USB pen drive to the USB port in the front of E5071C.
- Step 2.** Copy the RestoreSysCorFile.vba file from the D:\Agilent\Service folder to the USB Pen drive before replacing the spare HDD with the original HDD.
- Step 3.** Set the original HDD.
- Step 4.** Confirm that the RestoreSysCorFile.vba file exists on the D:\Agilent\Service of the original HDD.
- Step 5.** If the file does not exist, copy the RestoreSysCorFile.vba file from the USB pen drive to

Option Installation
Update Procedure for Hard Disk Type 2

the D:\Agilent\Service folder of the original HDD.

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