

S E R V I C E N O T E

SUPERSEDES: NONE

**HP E5100A/B Network Analyzer**

**Firmware Revision: 2.11**

**Duplicate Service Notes: None**

**Modification to fix incorrect binary data transfer controlled through Instrument BASIC**

**To Be Performed By:** HP-qualified personnel

**Parts Required:**

Need one of the following firmware disks:

- 1. HP P/N E5100-180xx (FW DISK #509)  
 For: Firmware revision before modification ... REV.2.11  
 Installed option .....Option 509
- 2. HP P/N E5100-181xx (FW DISK 1BW)  
 For: Firmware revision before modification ... REV.2.11  
 LCD display type ..... Black and white  
 Maximum number of sweep points ..... 801 or 401

*continued*

DATE: September 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	HP RESPONSIBLE UNTIL: September 2000	
AUTHOR: KI	ENTITY:	ADDITIONAL INFORMATION:	



3. HP P/N E5100-182xx (FW DISK 1CL)  
For: Firmware revision before modification ... REV.2.11  
LCD display type ..... Color  
Maximum number of sweep points ..... 401
4. HP P/N E5100-183xx (FW DISK 2BW)  
For: Firmware revision before modification ... REV.2.11  
LCD display type ..... Black and white  
Maximum number of sweep points ..... 1601
5. HP P/N E5100-184xx (FW DISK 2CL)  
For: Firmware revision before modification ... REV.2.11  
LCD display type ..... Color  
Maximum number of sweep points ..... 1601

**Notes:**

- \* "xx" should be the latest number. (It must be "05" or later.)
- \* Choose a correct firmware disk according to the installed option, LCD display type, and maximum number of sweep points of the HP E5100A/B. Installing incorrect firmware may cause serious trouble to the HP E5100A/B.
- \* Firmware revision 3.00 or later (HP P/N E5100-185xx) should NOT be installed into the HP E5100A/B which currently has firmware revision 2.xx or below without hardware modification. Installing REV.3.xx without required hardware modification may cause serious trouble to the HP E5100A/B. To install the firmware revision 3.00 or later into the unit, the HP E5100A/B must be modified using a REV.3.xx upgrade kit. That hardware modification is NOT covered by this service note.

**Situation:**

Binary transfer data may be incorrect when the HP E5100A/B is controlled by Instrument BASIC. This problem is caused by a firmware bug on revision 2.11, and it is fixed on revision 2.12. (Firmware revision 2.10 and below does NOT have this problem)

**Solution/Action:**

This problem can be fixed by firmware update.

**1.0. Firmware update procedure**

- 1-1. Press [System],[MORE],[SERVICE MENU],[FIRMWARE REVISION] to confirm that the unit has a firmware revision 2.11.
- 1-2. Confirm that the firmware disk is correct one to update the firmware of the unit. (see the part list of "Parts Required:")
- 1-3. Turn OFF the unit.

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- 1-4. While pressing [Preset] and [0] keys at the same time, turn ON the E5100A/B, and wait for a while until some {firmware update} softkey is appeared on the display.
- 1-5. Press {Firmware Update} softkey.
- 1-6. Insert the firmware disk into the floppy disk drive of the HP E5100A/B.
- 1-7. Press {OK} softkey.
- 1-8. Press {EXECUTE UPDATE} softkey.
- 1-9. Press {OK} softkey to start the firmware update.

**Note:**

It will take several minutes to complete the firmware update.  
When the firmware update is completed, the unit automatically executes preset operation.

2.0. Final operation check

- 2-1. Turn the E5100A/B ON and confirm that the unit passes power on selftest.
- 2-2. Press [System],[MORE],[SERVICE MENU],[EXECUTE TEST] to start self-diagnoses.
- 2-3. Confirm that the unit passes the self-diagnoses.