

S E R V I C E N O T E

SUPERSEDES: NONE

**HP E5100A/B Network Analyzer
Firmware Revision: 2.10 and below****Modification to fix "EQUC0?" command problem in admittance display
format****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.2.10 and below
 Installed option Option 509
2. HP P/N E5100-181xx (FW DISK 1BW)
For: Firmware revision before modification REV.2.10 and below
 LCD display type Black and white
 Maximum number of sweep points 801 or 401
3. HP P/N E5100-182xx (FW DISK 1CL)
For: Firmware revision before modification REV.2.10 and below
 LCD display type Color
 Maximum number of sweep points 401

Continued

DATE: August 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
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: August 2000		
AUTHOR: KI	ENTITY: 3300	ADDITIONAL INFORMATION:			

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|----|--|--------------------|
| 4. | HP P/N E5100-183xx (FW DISK 2BW) | |
| | For: Firmware revision before modification | REV.2.10 and below |
| | 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.2.10 and below |
| | LCD display type | Color |
| | Maximum number of sweep points | 1601 |

Notes

- "xx" should be the latest number.
(It must be "04" or later.)
"04" is assigned for firmware revision 2.11 in which the problem described in this service note was solved.
- 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:

Sending "EQUC0?" command when the HP E5100A/B's display format is set to Y1 (admittance) may return incorrect data. This problem is caused by a firmware bug on revision 2.10 and below, and it is fixed on revision 2.11.

Solution/Action:

This problem can be fixed by firmware update.

FIRMWARE UPDATE PROCEDURE

- 1-1. Press [System], {MORE}, {SERVICE MENU}, {FIRMWARE REVISION} to confirm that the unit has a firmware revision 2.10 and below.
- 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.
- 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
execute preset operation.

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.