

S E R V I C E N O T E

SUPERSEDES: None

HP 8751A Network Analyzer

Serial Numbers: 0000J00000 / 3146J00701
 0000A00000 / xxxxAxxxxx (To be advised later)
 (Firmware Revision 4.01 and below)

Modification to prevent the HP 8751A from hanging up when being controlled by a controller.

To Be Performed By: HP-Qualified Personnel

Parts Required:

HP Part No.		Qty.	Description
W/O Opt.002	W/ Opt.002		
08751-86901	08751-86602	1	A1 ROM set Rev.4.02
08751-86403	08751-86403	1	A2 ROM set Rev.4.02

Situation:

The HP 8751A may hang up or reset, when the 8751A repeats the same measurement under the computer-controlled circumstances. Check if this service note can be applied to your case, refer to the following situation list (you must have ALL the situations listed below) :

Continued

DATE: 30 November 1992

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 Hour	
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 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		RESPONSIBLE UNTIL : 30 November 1994
AUTHOR: MT	ENTITY: 3355	ADDITIONAL INFORMATION:	

1. The HP 8751A is controlled by an external controller through the HP-IB interface.
2. The HP 8751A repeats the same measurement.
3. The HP 8751A hangs up and resets after several hours or several days.
4. This symptom happens regularly.

Solution/Action:

It is fixed from the firmware Rev.4.02. Replace ROMs on the A1 and A2 boards with Rev.4.02 ROMs.

Procedure:

1. Turn the HP 8751A on. The firmware revision will be displayed. Check the firmware revision.
2. Remove the top cover and shield plate.
3. If the revision is "Rev.4.xx",
 - a. Remove only the A1 board.
 - b. Replace the ROMs of the A1 board with Rev.4.02 ROMs. Table 1 and Figure 1 show the ROM locations.
4. If the revision is "Rev.3.xx" and below,
 - a. Remove the A1 and A2 boards.
 - b. Replace the ROMs of the A1 and A2 boards with Rev.4.02 ROMs. The ROM locations are shown in Table 1, Table 2 and Figure 1.
 - c. The Figure 1 shows the jumper and bit switch settings for Rev.4.02. In case of any difference, replace RAMs and change the switch settings with referring the Modification Note (P/N 08751-90034).
5. Reinstall the A1 and A2 boards.
6. Turn the HP 8751A, and confirm the following:
 - a. The "REV.4.02" is displayed.
 - b. The "POWER ON TEST FAILED" message is NOT displayed.
7. Turn the HP 8751A off. Reinstall the shield plate and the top cover.

Table 1. A1 ROMs (Rev.4.02)

Reference Designator	Part Number W/o Opt.002	Part Number W/ Opt.002
A1U43	08751-85901	08751-85611
A1U44	08751-85902	08751-85612
A1U45	08751-85903	08751-85613
A1U46	08751-85904	08751-85614
A1U47	N/A	08751-85615
A1U48	N/A	08751-85616

Table 2. A2 ROMs (Rev.4.02)

Reference Designator	Part Number
A2U1	08751-85421
A2U2	08751-85422

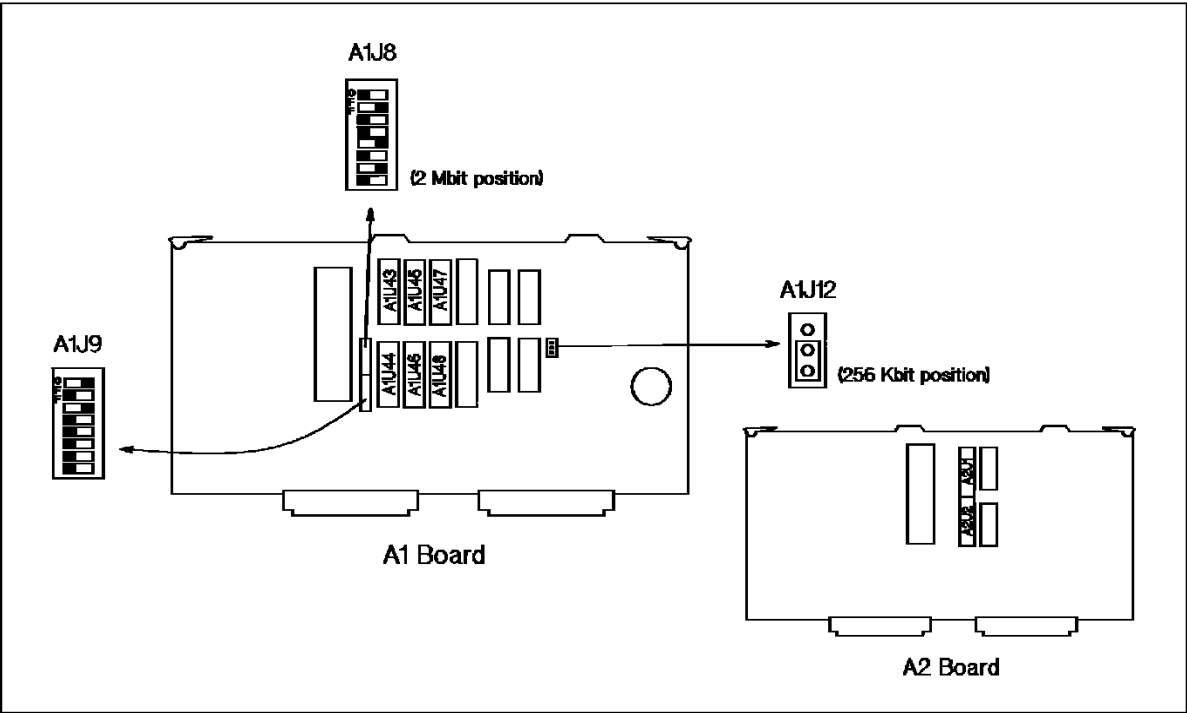


Figure 1. A1 and A2 Boards