S E R V I C E N O T E

SUPERSEDES: None

8751A Network Analyzer

Serial Numbers: 3123J00388/3123J00450
(Firmware Revision 3.00 or 3.01 Only)

Duplicate Service Notes: None

Modification to allow the 8751A to control solid-state switch version 85046A/Bs

To Be Performed By: Agilent-qualified personnel

Situation:

When solid-state switch version 85046A/B S-Parameter Test Sets are used with the 8751A Network Analyzer as the network measurement system, the 8751A can't control the solid-state switch version 85046A/B S-Paramteter Test Set functions such as PORT selection and ATTENUATOR selection.

Continued

DATE: 15 August 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	☐ IMMEDIATELY ☑ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 1.5 Hour			
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☑ SERVICE CENTER	SERVICE INVENTORY:	☐ RETURN ☐ SCRAP ☑ SEE TEXT	USED PARTS:	☐ RETURN ☐ SCRAP ☑ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: August 1993			
AUTHOR: TM	ENTITY: 3355	ADDITIONAL INFORMATION:			

✳ **Agilent Technologies**

Parts Required:

If the 8751A is NOT equipped with Option 002:

P/N	Qty.	Description
08751-86601	1	ROM Set (Rev. 3.02)

If the 8751A is equipped with Option 002:

P/N	Qty.	Description
08751-86302	1	ROM Set (Rev. 3.02)

Solution/Action:

Perform the following steps to solve the above problem.

1. Remove the top cover and shield plate.
2. Remove the A1 board.
3. Remove the programmed ROMs from the A1 board.
4. Install the new ROMs into the ROM sockets as follows:

If the 8751A is NOT equipped with Option 002:

Reference Designator	Part Number	Description
0 (A1U43)	08751-85601	ROM (Rev. 3.02)
1 (A1U44)	08751-85602	ROM (Rev. 3.02)
2 (A1U45)	08751-85603	ROM (Rev. 3.02)
3 (A1U46)	08751-85604	ROM (Rev. 3.02)

If the 8751A IS equipped with Option 002:

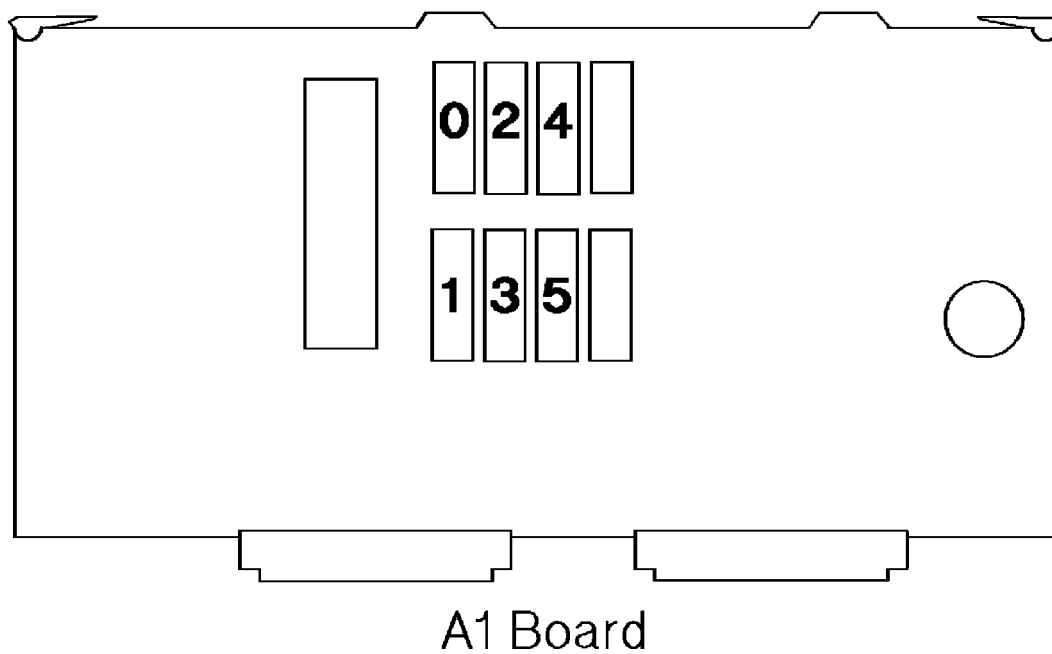| Reference Designator	Part Number	Description
0 (A1U43)	08751-85311	ROM (Rev. 3.02)
1 (A1U44)	08751-85312	ROM (Rev. 3.02)
2 (A1U45)	08751-85313	ROM (Rev. 3.02)
3 (A1U46)	08751-85314	ROM (Rev. 3.02)
4 (A1U47)	08751-85315	ROM (Rev. 3.02)
5 (A1U48)	08751-85316	ROM (Rev. 3.02)

Figure 1. A1 CPU Board

5. Reinstall the A1 board.

6. Connect the control cable between the TEST SET-I/O INTERCONNECT on the rear panel of the 8751A and the NETWORK ANALYSER-I/O INTERCONNECT on the rear panel of the 85046A/B.

7. Turn the 8751A ON. Confirm that the "POWER ON TEST FAILED" message is NOT displayed.

8. Confirm that the PORT 1 LED is ON, and PORT 2 LED is OFF.

9. Press [MEAS], `Refl:REV S22[A/R]'. Confirm that the PORT 1 LED is OFF, and PORT 2 LED is ON.

10. Press [SYSTEM], `SERVICE MENU', and `FIRMWARE REVISION'. Confirm that the firmware revision is 3.02.

11. Turn the 8751A OFF.

12. Reinstall the shield plate and the top cover.