

S E R V I C E N O T E

SUPERSEDES: None

4396A Network/Spectrum Analyzer

Serial Numbers: 3241J00198 / 9999J99999

Duplicate Service Notes: None

Repair Procedure for A1 CPU (pn 04396-66501 or pn 04396-66511)**Parts Required:**

Part No.	Qty.	Description
04396-69501	1	A1 CPU for rebuilt assembly
See Note 1	1	Firmware Installation Kit

Note 1: See a service note 4396A-01.

Situation:

There are two A1 CPUs, pn 04396-66501 and pn 04396-66511. The 04396-66501 is equipped with flash memory firmware and the 04396-66511 is equipped with a ROM set in place of the flash memory. These two A1 CPUs are fully compatible to each other.

The 04396-66511 ROM version was developed due to supply shortage of flash memory. It is installed in 4396As with serial numbers listed above. After the supply problem is resolved, the A1 CPU will be changed back to the flash memory version.

Continued

DATE: 14 June 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

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ENTITY:

3355

ADDITIONAL INFORMATION:

For the A1 CPU repair, only the A1 CPU flash memory version (pn 04396-66501, pn 04396-69501 for re-built assembly) is available. The replacement 04396-66511 ROM version is not available.

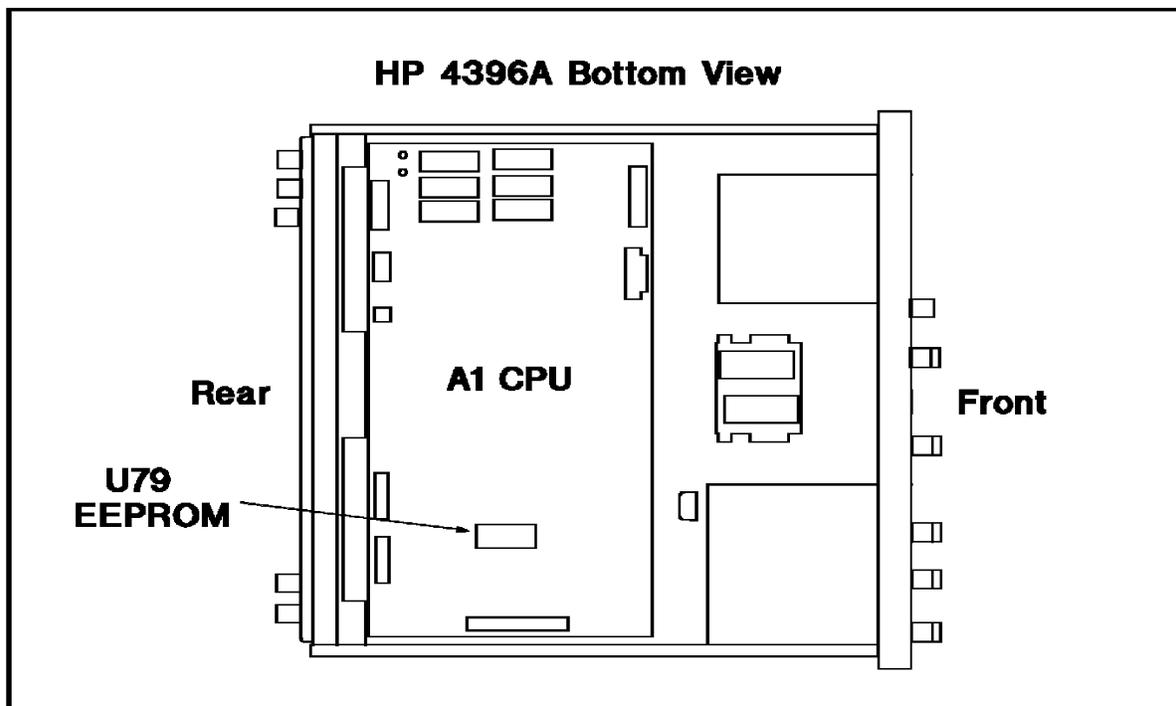
Solution/Action:

Whenever an A1 CPU (flash memory version or ROM version) is defective, replace it with a new A1 CPU of flash memory version (pn 04396-69501 for re-built assembly).

The replacement procedure is described below. For more information, see the 4396A Service Manual and service note 4396A-01.

Procedure:

1. Remove the bottom cover from the unit.
2. Remove the defective A1 CPU from the unit. For the A1 CPU location, see Figure 1.



4396A-3 Figure 1

Figure 1. A1 CPU and A1U79 EEPROM Location

3. Remove the EEPROM from the A1U79 socket on the defective A1 CPU. See Figure 1 for the A1U79 location.
4. Remove the blank EEPROM from A1U79 socket on the new A1 CPU and insert it into the A1U79 on the defective A1 CPU.
5. Insert the EEPROM (removed from the defective A1 CPU in step 3) into the A1U79 socket on the new A1 CPU.
6. Install the new A1 CPU into the unit.
7. Reassemble the bottom cover.
8. Install the firmware into the unit. Use the firmware installation kit for the revision indicated in the revision label on the rear panel. For the part number of the kit, see service note 4396A-01. The installation procedure is provided in the kit.