



HP 1000 A600 Computer System

VC+ Upgrade Kit

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A600 Computer System VC+ Upgrade Kit

Introduction

In order to run the RTE-A 92078A VC+ feature product on an A600 Computer System prior to date code 2326, some modifications are necessary to the A600 Computer system. The upgrade is simple, consisting of the replacement of the CPU card and two PROMs on the Memory Control card.

Kit Description

CAUTION

The PROMs in this kit can be damaged by static discharge. Charges strong enough to damage the PROMs can be generated by the normal movement of persons working with them, so the service person who performs this upgrade should be grounded. Every precaution must be taken to prevent static charges from damaging the PROMs.

The kit contains a replacement CPU card, two PROMs for the Memory Control card, an A600+ reference manual, and a yellow label to indicate that the system contains an A600+ CPU. The new CPU card is HP part number 12105-60001. The two Memory Control card PROMs are listed below. The PROMs are stored in an antistatic bag to protect them until they are installed.

Designator

U606
U706



Part No.

5180-4253
5180-4254

Installation Instructions

CAUTION

The contents of the A600 memory will be lost when the AC power to the mainframe and the battery backup power are both off. Before proceeding, save any necessary contents of memory.

WARNING

Hazardous voltages are present inside the computer mainframe. Before you begin the A600 upgrade, turn the system power switch off and remove the AC line cord. If a battery backup is installed, set the BACKUP switch to DISABLE to turn the battery power off.

After turning the AC power off, removing the line cord, and setting the battery backup switch to DISABLE, open the rear doors of the A600 computer by unscrewing the two captive fasteners. The CPU and Memory Control cards are located in card slots on the right side of the card cage.

CPU Card Replacement

1. Locate the CPU card. The upper extractor handle is marked "CPU." The CPU card is connected to the Memory Control card by a frontplane. Remove the frontplane. Remove the old CPU card by pulling outward on its red extractor handles. The new CPU card replaces the 12101A series of CPU cards. Discard the old CPU card.
2. Install the new card in the same slot. Push it into place by pressing on the red extractor handles. Make sure it is seated firmly in the backplane connector.

Memory Control Card PROMs Replacement

CAUTION

Observe anti-static precautions when replacing the PROMs. Make sure that all pins of the new PROMs are straight before insertion, and make sure that all the pins enter the sockets correctly. Check to make sure the PROMs are oriented correctly. The notch on all of the PROMs point to the backplane connector.

1. Locate the Memory Control card. Its name is on the upper extractor handle. Remove the card by pulling outward on the red extractor handles.
2. Figure 1 shows the location of the VCP PROMs. Table 1 lists the old and new PROM part numbers and their reference numbers, as marked on the card. Remove the old VCP PROMs and discard them. Replace them with the new VCP PROMs. Make sure that the PROMs are in the correct sockets and oriented correctly.

3. Check the PROMs to make sure they are inserted in the correct sockets, oriented correctly, and that all the pins are securely in place. Replace the Sequencer card in the card cage. Push it into the card cage by pressing on the red extractor handles. Make sure it is securely inserted in the backplane connector.

Verification

After you have examined the upgrade changes to make sure that they are correct, install the frontplane on the CPU and Memory Control cards, close the rear doors of the A600 computer, and tighten the captive fasteners. Turn the battery backup on, replace the AC line cord, and turn the computer on. Perform the verification self-tests described in the HP 1000 A600 Computer Installation and Service Manual to make sure that the system is operating properly.

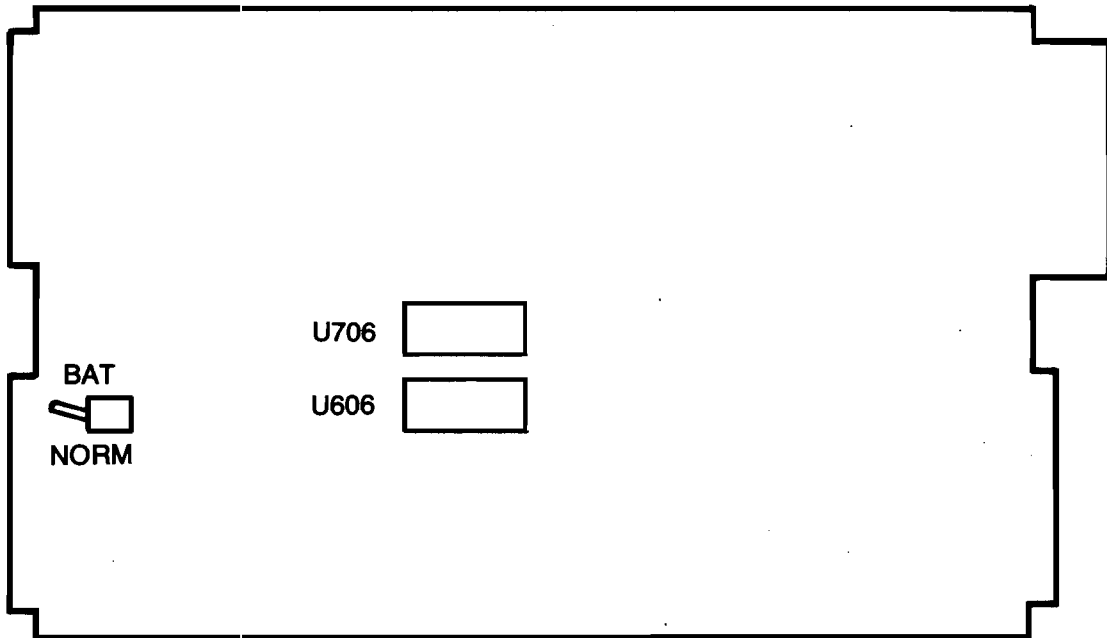


Figure 1. VCP PROMs on the A600 Memory Control card



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