

## HP Documentation

HP 9000 Model 743i and 743rt Owner's Guide (A2636-90014)  
HP 9000 Model 743 Memory Kit Installation (A2636-90602)  
HP 9000 Model 743i and 743rt VMEbus Board Computers Installation Guide (A2636-90010)  
HP 9000 Model 748i Ruggedized Workstations Installation Guide (A4310-90010)  
HP 9000 Model 748i/64 and 748i/100 Ruggedized Workstations Service Manual (A4310-90030)  
HP 9000 Model 748i Owner's Guide for HP-UX Users (A4310-90014)  
HP 9000 Model 748 Workstation Owner's Guide (A4511-90604)

## System Shutdown

Perform an orderly shutdown of the HP-UX or HP-RT operating system. Reference the Owner's Guide for detailed instructions. If the system is connected to an UPS, put the UPS output switch in the OFF (0) position. Disconnect the system power cable and the power cord of any peripheral devices from the ac wall outlets or UPS. Disconnect the I/O cables from the back of the system.

## CPU Removal

Loosen the captive screws at each end of the CPU's VME plate (2 screws for a single-slot CPU and 4 screws for a dual-slot CPU). Pull both ejector levers out until the board ejects from the card cage. Slide the CPU out of the system and place it on a static dissipating mat.

## Install Memory Cards

Attach the ESD Wrist Strap using the instructions on the 3M package. For a Model 743 with a VME card installed directly above the CPU card, only one memory card can be installed on each stack. For a Model 743 with a free slot directly above the CPU card, three memory cards can be installed on the right side stack and one memory card on the left side stack.

Position the Model 743 CPU so that you face the front bezel. If the CPU has one or two memory card(s) already installed on the right side stack, remove the screws that secure the topmost memory card, and in their place, install the standoffs included in the kit.

To install a memory card on the 743 CPU, position the memory card so that screw holes align with the standoffs on the CPU card or the topmost memory card. Properly align the connectors. Gently and evenly push on the top of the connectors with both of your thumbs until the memory card is seated. Examine the connector seating from both sides of the memory card to ensure there are no gaps between the memory card and the connector underneath it. Secure the memory card with a standoff, or if this is the topmost card, with the screws you removed in step 2.

If the right side stack has three cards installed, then install the memory card on the left side stack.

## Reseat the CPU

Slide the CPU card back into the VME Card Cage. Reconnect the power cords and the I/O cables.

## Removing a Memory Card from the RAM Stack

When removing a memory card from the Model 743 CPU or the RAM stack, remove the cards one at a time. Carefully lift the card by the edge near the connectors. Do not try to pry the card up with a tool.

## Verify the New System Memory

Power up the peripherals first, then power up the system. The system memory is automatically configured to the system by the software. If there is a problem with the installed memory, then the boot process could be halted. The system displays the amount of memory installed before it boots up HP-UX or HP-RT.

If the system has errors or the memory size is not the expected value then the possible error sources are the memory cards are not seated properly or the memory cards are not installed in the proper sequence. Repeat the installation procedure but take special care to seat the memory cards properly and in the correct size sequence.

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