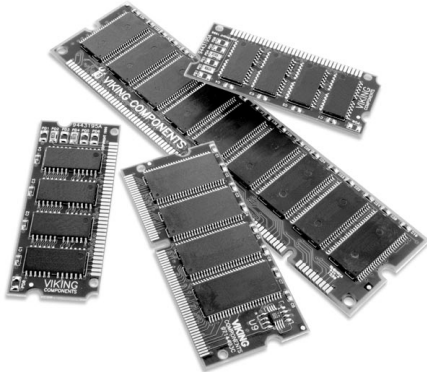


# Viking Memory

## INSTALLATION GUIDE

COMPAQ®

Professional Workstation 6000, 8000 Series



Manual No. 1005160 • Release 02/99, Rev. D

### SPEED POWER PERFORMANCE®

The Compaq Professional Workstation 6000 Series comes standard with 32MB, 64MB or 128MB of removable memory. It can be expanded to a maximum of 512MB\*†∞ by installing the following Viking Components memory options into its four (2 banks of 2) available expansion slots.

The Compaq Professional Workstation 8000 Series comes standard with 128MB of removable memory. It can be expanded to a maximum of 3GB\*∞ by installing the following Viking Components memory options into its four (2 banks of 2 on system board) and eight (4 banks of 2 on expansion board) available expansion slots.

Description	Viking P/N
32MB ECC DIMM	C1907, RC1907
64MB ECC DIMM	C1908, RC1908
128MB ECC DIMM	C1909, RC1909
256MB ECC DIMM	C1910, RC1910

\*Memory must be installed in pairs.

†Although it is physically possible to install more, the maximum memory the system will recognize is 512MB.

∞Requires removal of all of the standard memory.

#### ⚠ Caution:

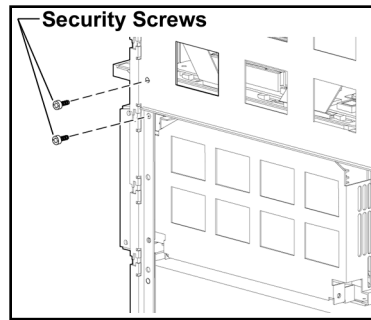
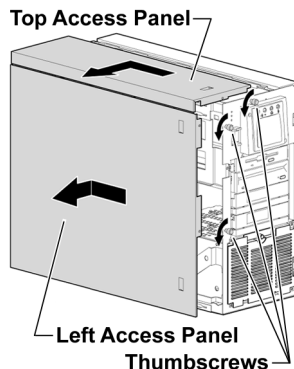
Electro Static Discharge (ESD) can damage electronic components. Before touching the memory module, ensure that you are discharged of static electricity by touching a grounded metal object.

### INSTALLATION INSTRUCTIONS:

1. Turn the workstation off, including any connected external devices.
2. Disconnect any peripheral devices connected to the system. Unplug the AC main power cord from the outlet and then from the back of the workstation.

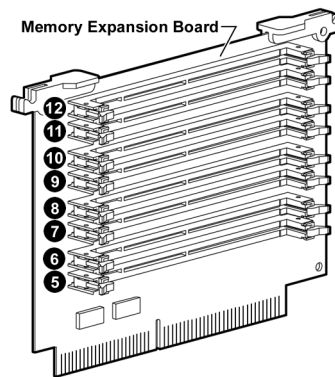
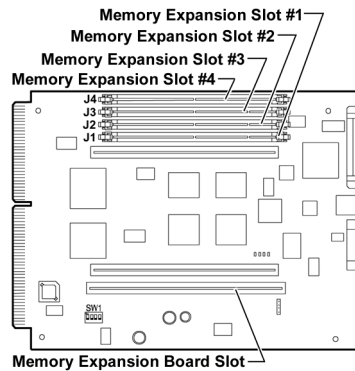
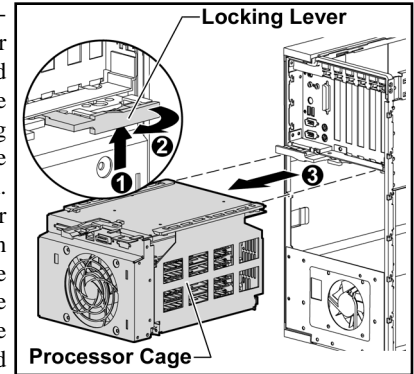
3. Facing the front of the unit, unlock and open the front bezel.

4. Locate and loosen the three thumbscrews on the left side of the front panel. Slide the top access panel toward the rear of the unit about 0.5 inch (1.5 cm). Then slide the left access panel toward the rear and away from the system. Lift and remove both panels.



5. Locate the two security screws at front of the left side access panel. Remove these security screws with a T-15 Torx screwdriver.

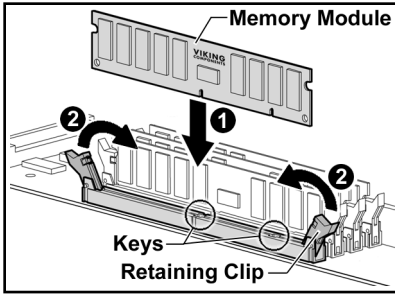
6. Locate the processor cage toward the center of the chassis. Disconnect any other external equipment connected to the processor cage. Remove the processor cage by pressing up on the thumb latch in the center of the latch mechanism. Then firmly pull the processor cage from the chassis. Turn the cage over and loosen the thumbscrew. Then lift the cover to gain access to the memory expansion slots and memory expansion board (if installed).



7. Locate the four memory expansion slots on the processor cage system board. Your system may have a memory expansion board connected to the system board. This expansion board will have eight memory expansion slots. If your system is a 6000 Series, it can only be expanded to 512MB. Upgrades exceeding 512MB, the system will halt. Memory modules and the pairs must be the same capacity. To optimize system performance with a memory expansion board installed, fill the memory expansion slots in the following order: Bank1 (slots 1 and 2), Bank3 (slots 5 and 6 on the memory expansion board), Bank2 (slots 3 and 4), Bank4 (slots 7 and 8 on the memory expansion board), Bank5 (slots 9 and 10 on the memory expansion board), Bank6 (slots 11 and 12 on the memory expansion board). To optimize system performance without a memory expansion board installed, fill the memory expansion slots in the following order: Bank1 (slots 1 and 2), Bank2 (slots 3 and 4).

**Note: Remove the memory expansion board before adding or removing of memory modules on it.**

8. If you wish to remove a pair of memory modules before further upgrading, please continue with this step. If you are not removing any memory modules, please proceed to step 9. To remove a memory module, pull the retaining clips on both sides of the module down. Then lift the module straight up from its slot. Repeat the previous steps for the second module in the bank.



9. To install a memory module, open retaining clips on the expansion slot. Then align the module's notches with the keys in the slot. Insert the module straight down into the expansion slot and then push the retaining clips towards the module until they click into place. Repeat the previous steps for the second module in the bank.

10. If you have removed the memory expansion board, replace it at this time.

11. Replace the processor cage door to its original position and be sure to secure its thumbscrew. Then replace the processor cage back to its original position in the unit. Reconnect all cables to the processor cage that you may have removed.

12. Replace the two security screws back to their original position if you had removed them.

13. Replace the left and top access panel back to their original position on the chassis. Secure the three thumbscrews.

14. Close the lock the front bezel.

15. Reconnect any peripheral devices that you may have disconnected. Plug the AC main power cord into the system, then into a grounded AC outlet. Turn on any peripheral devices supported by the workstation.

16. Turn the workstation on. The system will automatically reconfigure itself to recognize the newly added memory. The new memory can be verified during the POST routine at start-up.

The installation is now complete.

## WARRANTY & DISCLAIMERS:

All Viking Components products have been thoroughly tested free of defects in material and workmanship. If any malfunction should occur while using one of our products in its recommended environment, Viking, at its option, will repair or replace the product at no charge, provided the product or any part thereof has not been abused, misused, neglected, replaced, repaired or modified. Viking shall make the final determination as to the existence and the cause of any defect. Viking will not repair or replace products designated as having a "Limited Lifetime" which fail solely because their estimated life has expired. No warranty is made with respect to customer products produced to original purchaser specifications except as specifically stated in writing by Viking.

All shipping costs shall be the responsibility of the purchaser.

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