

**HP 3000 Computer Systems**

**SERIES 64/68 4 MEGABYTE  
MEMORY ADD-ON**

**Installation Manual**



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Effective Pages	Date
All . . . . .	Jul 1985

# PRINTING HISTORY

New editions are complete revisions of the manual. Update packages, which are issued between editions, contain additional and replacement pages to be merged into the manual by the customer. The dates on the title page change only when a new edition or a new update is published. No information is incorporated into a reprinting unless it appears as a prior update; the edition does not change when an update is incorporated.

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First Edition . . . . . Jul 1985

This manual describes how to add Main Memory Array (MMA) PCAs (P/N 30140-60170) to an HP Series 64/68 Computer. The procedure is as follows:

1. Perform a system back-up.
2. Perform an MPE shutdown.
3. Turn off main power to the computer.

**CAUTION**

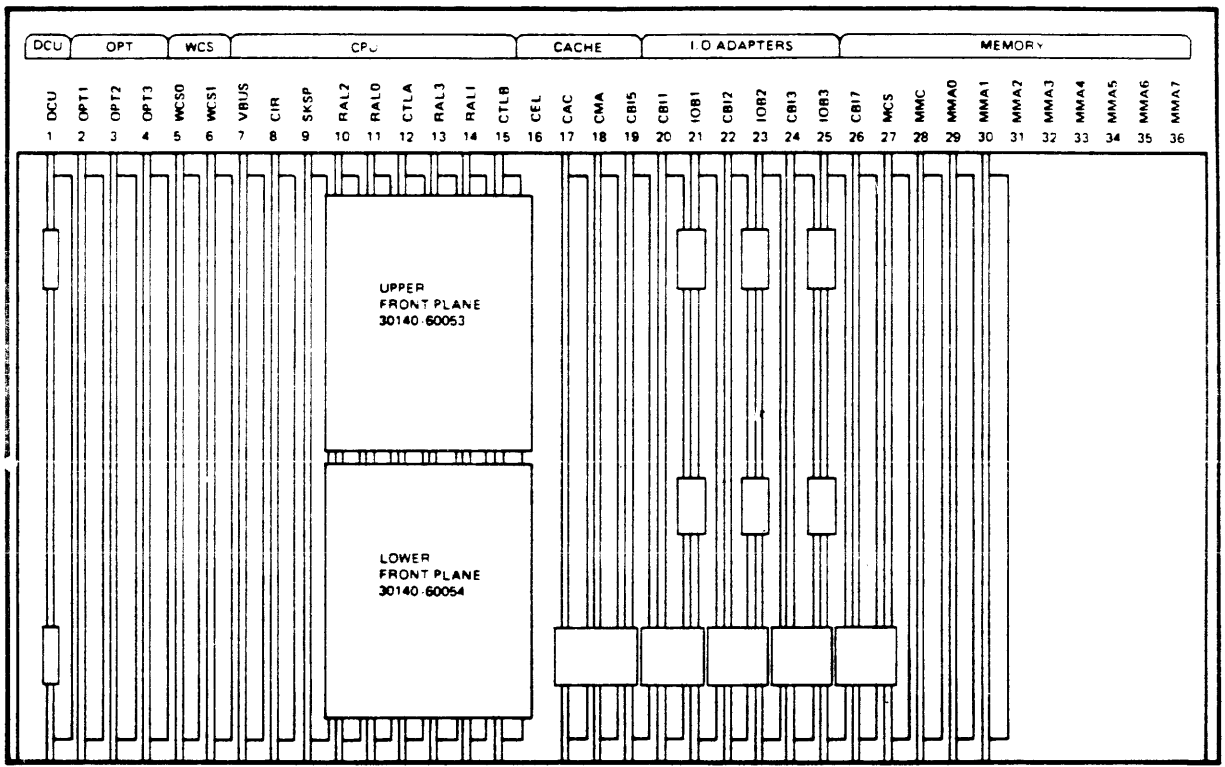
During the next step be sure to wear a grounding strap and follow standard ESD precautions when handling PCAs.

4. See Figure 1. The MMA PCAs are assigned to the last eight slots at the right end of the CPU Bay card cage. Do not skip any slots! Push the new MMA PCAs far enough into their respective card cage slots until you can feel them enter and seat into the backplane connectors.

**CAUTION**

If 4 Mbyte memory arrays (p/n 30140-60170) are to be added to a system that has 1 Mbyte arrays (p/n 30140-60014), all 4 Mbyte arrays must precede any 1 Mbyte arrays in the CPU card cage.

5. Turn power on.
6. Run the Off-Line memory diagnostic.
7. Coolstart or cold load the computer from the back-up media and reconfigure for the added memory.
8. Perform a sysdump to create new back-up media with the new memory configuration on it.



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Figure 1. CPU Bay Card Cage, Rear View