

## Memory Kit Installation

This document provides step-by-step instructions for installing RAM cards in the Model 744.

The Model 744 memory kit contains

- a memory card,
- a set of standoffs,
- a set of screws
- a static note, and
- a wrist strap.

## Preliminary Requirements

Perform the following steps before you install a RAM card into the Model 744:

- 1 Model 744 board computers require a firmware upgrade if the Boot ROM revision is **prior** to revision 3.2. To determine the revision level of the Boot ROM on your Model 744, type the command **IN FV** at the Boot Console Handler (BCH) Main Menu prompt (more details are available in your *Model 744 Owner's Guide*). You may obtain a firmware upgrade instructions from your local Country Response Center (in North America you may call 800-633-3600) or through the World Wide Web at <http://us-support.external.hp.com/wpsl/bin/doc.pl>.
- 2 If the Model 744 is already installed in your system chassis, you must remove it. See Chapter 3 of your owner's guide for instructions on removing and replacing the Model 744.
- 3 Place the Model 744 on a static-free mat on a clean, level surface.

## RAM Card Installation

For a Model 744 in a single slot configuration (no expansion adapter installed), only one RAM can be installed. In a two-slot configuration, up to four RAM cards may be stacked. Use these steps to install the RAM cards:

**NOTE:** When mixing memory card capacities that include 128MB or 256MB cards, the 128MB and 256MB card(s) must be installed into the lowest memory slots before adding cards of other capacities.

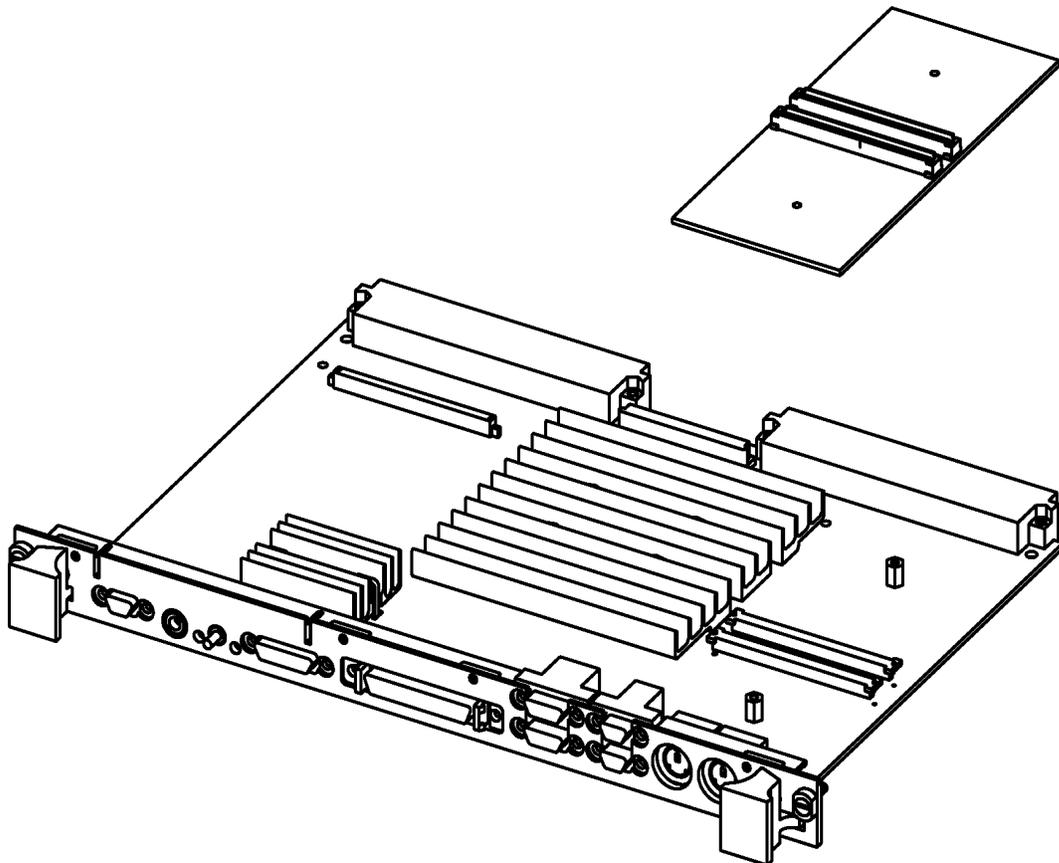
- 1 Begin with the Model 744 placed in front of you so that you face the front bezel.
- 2 If the Model 744 has RAM card(s) already installed, remove the screws that secure the topmost RAM card, and in their place, install the standoffs included in the kit. *If you are installing a 128-MB or 256-MB RAM card and there are RAM cards of lesser capacities installed, remove the lesser capacity cards before installing the 128-MB or 256-MB cards.*
- 3 Hold the RAM card you are installing so that the chamfered corner is the upper-left corner (see Figure 1).
- 4 While placing the RAM card over the CPU or topmost installed card, align the holes in the RAM card with the spacers/standoffs underneath it.
- 5 Properly align the connectors by slightly rotating the RAM card until you can feel the connectors fit together.

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- 6 Gently and evenly push on the top of the connectors with both of your thumbs until the RAM cards are about 1/3 seated.
- 7 After the connectors are 1/3 seated, continue to push evenly with your thumbs, while pushing harder. The connectors will fully snap together.
- 8 Examine the connector seating from both sides of the RAM card to ensure there are no gaps between the RAM card connectors and the connectors underneath it.
- 9 Secure the card with a standoff, or if this is the topmost card, with the screws you removed in Step 2.
- 10 Install the Model 744 into its card cage and connect all cables.

## RAM Card Removal

When removing a RAM card from the Model 744 CPU or the RAM card 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.



**Figure 1. Installing RAM Cards**

Part Number A4500-90614 Edition E1199 Printed in USA

