Activating the Integrated RAID Controller

Notes, Notices, and Cautions

NOTE: A NOTE indicates important information that helps you make better use of your computer.

NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

This document explains how to activate your system's integrated RAID controller. Your upgrade kit includes a RAID controller memory module, RAID hardware key, RAID battery, and RAID software.

⚠ **CAUTION: Before you perform this procedure, read the safety instructions in your *System Information* document.**

⚠ **CAUTION: Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions. See the *System Information* document for additional information.**

◖ **NOTICE:** See "Protecting Against Electrostatic Discharge" in the safety instructions in your *System Information* document.

◖ **NOTICE:** To avoid possible data loss, back up all data on the hard drives before changing the mode of operation of the integrated SCSI controller from SCSI to RAID.

1 Turn off the system, including any attached peripherals, and disconnect the system from the electrical outlet.

2 Remove the cover (see "Removing the Cover" in your *Installation and Troubleshooting Guide*).

3 Push the ejectors on the RAID memory module connector down and outward to allow the memory module to be inserted into the connector (see Figure 1-1).

   To locate the RAID memory module connector on the system board, see your *Installation and Troubleshooting Guide*.
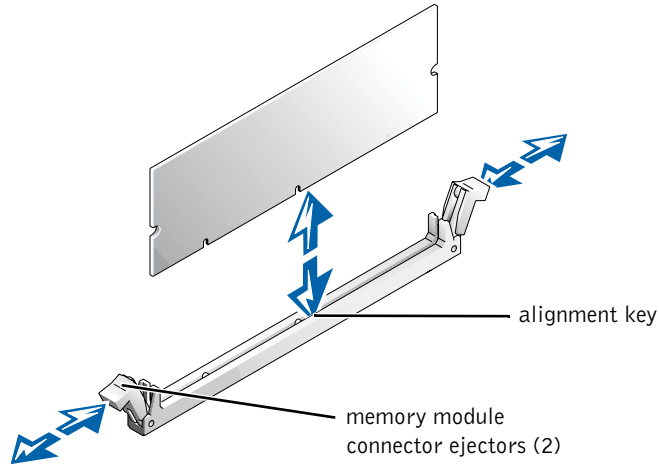
4 Align the memory module's edge connector with the alignment keys, and insert the memory module into the connector (see Figure 1-1).

   The memory module connector has two alignment keys that allow the memory module to be installed into the connector in only one way.

   ✐ **NOTE:** The RAID controller memory module must be an unbuffered memory module, rated to run at 100 MHz or faster. Do not substitute registered memory modules such as those used for system memory.

5 Press on the memory module with your thumbs while pulling up on the ejectors with your index fingers to lock the memory module into the connector.
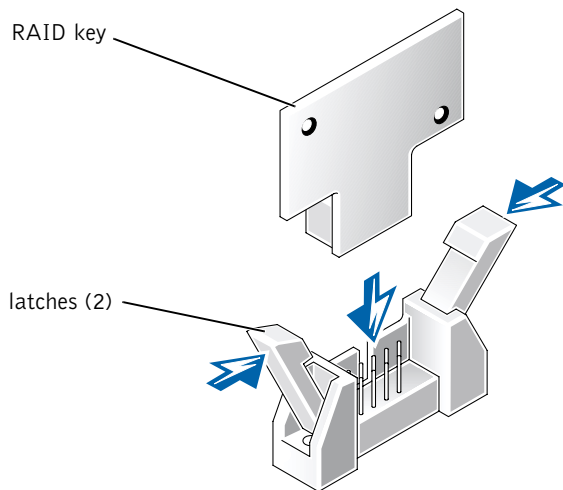
Figure 1-1.   Installing the RAID Controller Memory Module

alignment key

memory module
connector ejectors (2)

6   Push the ejectors on the RAID hardware key connector down and outward to allow the
key to be inserted into the connector (see Figure 1-2).

7   Insert the RAID hardware key into its connector on the system board and secure the
key with the latches on each end of the connector (see Figure 1-2).

To locate the RAID hardware key on the system board, see your *Installation and
Troubleshooting Guide*.

8   Press on the hardware key with your thumbs while pulling up on the ejectors with your
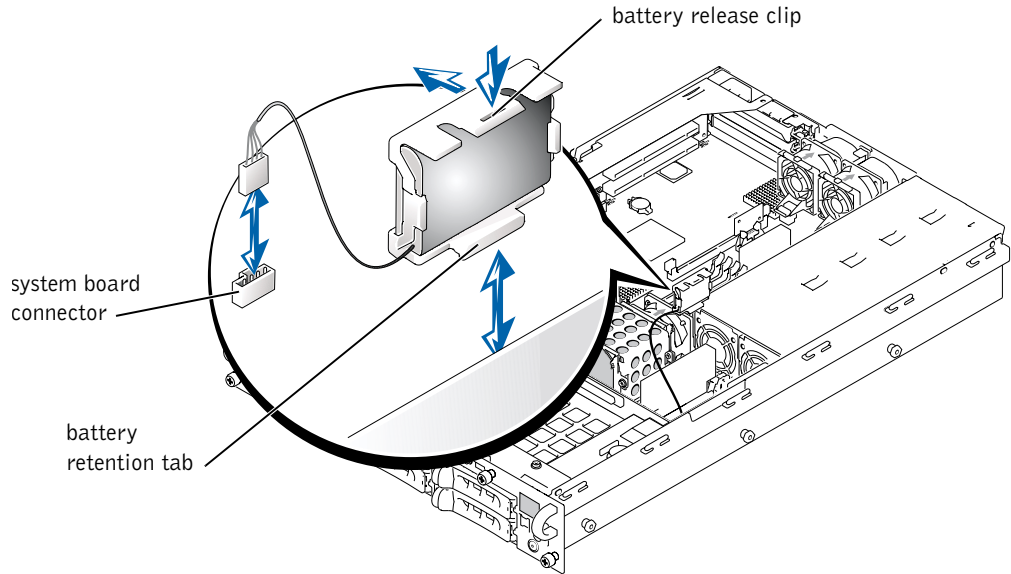index fingers to lock the hardware key into the connector.

Figure 1-2. Installing the RAID Hardware Key

RAID key

latches (2)

9 Connect the battery cable to the RAID battery cable connector on the system board (see Figure 1-3).

To locate the RAID battery cable connector on the system board, see your *Installation and Troubleshooting Guide*.

10 Hook the retention tab on the bottom of the battery into the slot in the chassis side wall, and then snap the battery release clip into place (see Figure 1-3).

Figure 1-3.   Removing and Installing the RAID Battery

battery release clip

system board
connector

battery
retention tab

11 Replace the cover (see "Replacing the Cover" in your *Installation and Troubleshooting Guide*).

12 Reconnect the system to its electrical outlet and turn the system on, including any attached peripherals.

13 Enter the System Setup program and verify that the setting for the SCSI controller has changed to reflect the presence of the RAID hardware (see "Using the System Setup Program" in your *User's Guide*).

14 Install the RAID software.

See the RAID controller documentation for more information.