



READ ME FIRST

READ ME FIRST Before Installing Processors

Before installing additional processors into your HP Server, please read and follow the procedures in this ReadMe.

Because this updated procedure includes steps not yet incorporated into your hard copy *Installation Guide* and the *Operation and Maintenance Guide.pdf* file that was included on the *hp Server Documentation CD-ROM*, it is imperative to read and follow this procedure to install additional processors. See “Installing a Processor on the Extender Board” on page 2.

Web Site Help

For complete instructions on removing and replacing processors in your HP Server please see the following web sites:

- <http://docs.hp.com>
- <http://www.hp.com/support/itaniumservers>

HP Service

An HP service engineer is also available to install your Itanium processor.

Please contact 1-800-633-3600 in North America. Outside North America call the specific HP support number for your country. Refer to HP care pack number U3485A/E for more information.



Installing a Processor on the Extender Board

To install a processor on the extender board, perform the following steps:

Prior to installing a processor into your system, read the following instructions carefully and refer to Figure 3, Installing Processor on Extender Board, for a complete understanding of this process.

Step 1. Ensure that the cam on the processor socket lock is in the unlocked, counterclockwise position.

Step 2. Carefully lower the processor, without the sequencer clamp, onto the processor socket. Align the pins on the bottom of the heatsink to the slots in the retention frame on the extender board.

CAUTION Test the alignment of the assembly to the socket by gently moving the assembly back and forth with the palm of your hand—you should feel little or no sideplay. However, because the assembly is not yet tightened, it may tilt slightly towards the center of the extender board—this is acceptable.

CAUTION Before locking the processor assembly into its socket, ensure that the power cable is not pinched between the heatsink and sheetmetal frame of the extender board. Also, ensure that the two power cable ends, attached to the CPU assembly, do not come unplugged from their sockets when you place the cable under the heatsink. See Figure 1, Processor Cable Placed Correctly, and Figure 2, “Processor Cable Placed Incorrectly.”

Figure 1 Processor Cable Placed Correctly

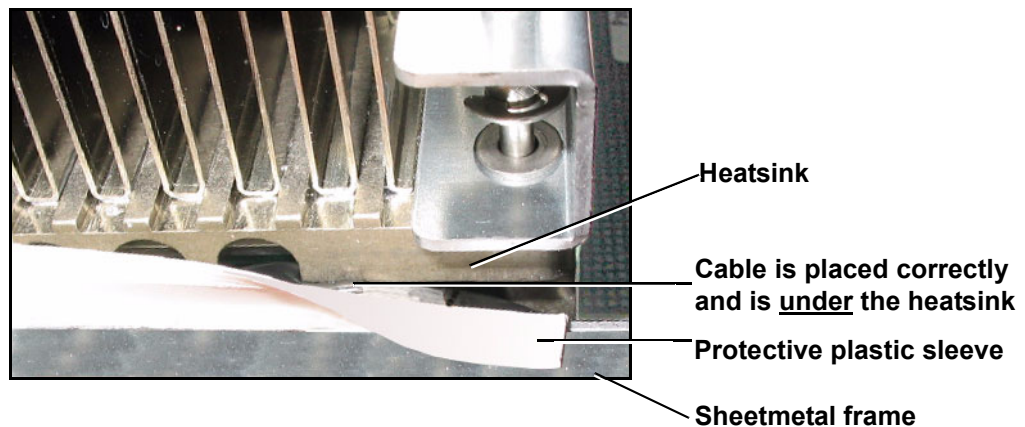
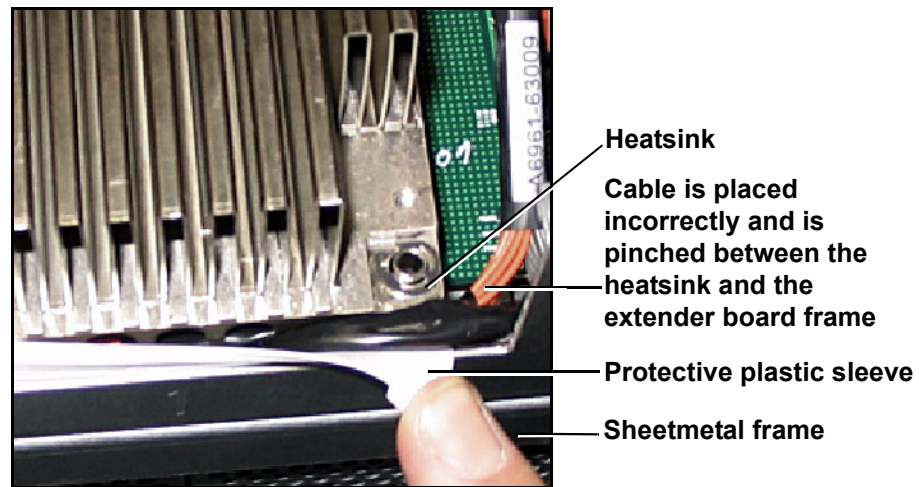


Figure 2 Processor Cable Placed Incorrectly



- Step 3.** Lock the assembly to the socket by rotating the cam on the socket 180 degrees clockwise, using a 2.5 mm driver (Allen wrench).

CAUTION When rotating the locking cam, hold the palm of your hand on top of the assembly and exert light pressure. This ensures that the assembly stays flush and level to the socket while it is being tightened.

- Step 4.** Plug in the processor cable to its socket on the extender board.

- Step 5.** Place the sequencer frame over the processor.

- Step 6.** Using your fingers, hand-tighten the 2 knurled thumbscrews on the sequencer frame just until the screw stops turning.

CAUTION **Do not** tighten the other 4 shoulder screws until you have first hand-tightened the 2 knurled thumbscrews.

- Step 7.** Using the supplied Torx T15 driver, tighten the 4 remaining T15 shoulder screws until they just bottom out. Follow the tightening sequence shown in Figure 3, “Installing Processor on Extender Board.”

CAUTION Do not overtighten the 4 shoulder screws—they may shear off if overtightened. Stop tightening the shoulder screws when you feel them just bottom out.

- Step 8.** Using the supplied Torx T15 driver, finish tightening the 2 thumbscrews.

CAUTION Do not overtighten the 2 thumbscrews—they may shear off if overtightened. Tightening the thumbscrews by 1/4 turn will tighten them sufficiently.

Figure 3 Installing Processor on Extender Board

Tightening sequence for 4-shoulder screws is 1,2,3,4

DO NOT OVERTIGHTEN!

