Installing an Upgrade Processor

The performance upgrade socket on the main logic board enables you to
quickly install a new processor for a marked increase in performance.

     Note: The table in the following procedure summarizes
            the benefits of installing an upgrade processor.

Before beginning the installation, turn off the computer and disconnect
all cables. Discharge any accumulated static electricity from your body
by touching a grounded metal object. Then, open the computer as
described in "Opening the Computer." Remove any adapters installed in
the expansion slots. If you are installing an i486 DX or an i486 DX2,
you must install an Intel-approved heat sink with the processor. Before
installing a processor that requires a heat sink, refer to the
"Specifications" section for more information about installing a heat
sink.

Follow these steps to install an upgrade processor:

  > Note: Your performance upgrade socket is similar to
      one of the sockets in the following illustration.

1. Open the performance upgrade socket by lifting the
    handle to the fully vertical position:

    Remove the exsisting processor chip. (MMPC20 ONLY)

    Position the processor so that its notched corner aligns
    with the socket's notched corner.

    Do not attempt to remove the i486 SX processor which is
    soldered on the main logic board. The computer
    automatically stops accessing the i486 SX processor when
    an OverDrive processor is installed.

2. Taking care not to bend or touch the metal pins, insert
    the processor into the socket by lowering the handle
    until it locks into place.

3. If you installed an OverDrive processor or an i487 SX
    math coprocessor, you do not have to install any
    jumpers. Proceed to step 4.

If you install any other upgrade processor, install jumpers as listed
in the following table:

Installing this upgrade processor	Provides these benefits	And requires these jumper changes
OverDrive processor	Adds math coprocessor functionality and doubles the speed of the CPU clock	None

i487 SX math coprocessor	Enhances mathematical processing for math-intensive programs such as databases, spreadsheets, and graphics applications	None
i486 SX, 33 MHz	Increase the CPU speed to 33 MHz	Park the Clock Speed jumper (W1) on one pin. Install the Upgrade Processor Support Jumper W6 on Pins 2 and 3. Install the second Upgrade Processor Support Jumper W7 on Pins 1 and 2.
i486 DX (1)	Adds math coprocessor	Install Upgrade Processor Support Jumper W7 on Pins 1 and 2.
i486 DX2 (1)	Adds math coprocessor functionality and doubles the speed of the CPU clock	Install Upgrade Processor Support Jumper W6 on Pins 2 and 3. Install the Upgrade Processor Support Jumper W7 on Pins 1 and 2.

(1) If you install an i486 DX or i486 DX2 processor, you must install a heat sink with the processor. Refer to "Specifications" for more information about the heat sink.

4. Replace any expansion adapters you removed, close the computer, and reconnect all cables. Refer to the "Getting Started" section and "Closing the Computer."

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