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PowerBook 500 Series: Mother/Daughter Board Revision (1/95)

Article Created: 12 July 1994

Article Reviewed/Updated: 04 January 1995

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TOPIC -----

I have some questions regarding the recent revisions to the PowerBook 520 and PowerBook 540 mother and daughter boards.

Upon failure of one or the other board, do I replace both the motherboard and the daughterboard with the rev B parts or with a like revision?

Also, some insight as to why these changes were made would be helpful.

DISCUSSION -----

Should a PowerBook 500 series computer experience a failure of either the motherboard or daughterboard, replace only the defective module with the same revision. It is not necessary to replace both modules, nor to upgrade them to Rev. B. If it is unavoidable to use match revisions, you can use a Rev. A daughterboard with a Rev. B motherboard, but not vice versa due to space constraints.

The Rev. B mother and daughter boards are a redesign for manufacturing purposes only. There are no performance enhancements to the Rev. B boards.

A PowerBook 520/520c daughterboard can be identified by looking at the crystal at location G700; this crystal will have the number 12.500 on it identifying the daughterboard as a 25MHz version. To identify which revision you have, the serial number located just below the memory connector will end in 11X for a Rev. A board. Any other letters indicate a Rev. B.

A PowerBook 540/540c daughterboard can be identified by looking at the crystal at location G700; this crystal will have the number 16.667 on it identifying the daughterboard as a 33MHz version. To identify which revision you have, the serial number located just below the memory connector will end in 273 for a Rev. A board. Any other letters indicate a Rev. B.

Article Change History:

04 Jan 1995 - Noted that Rev. A daughterboard can be used w/Rev. B motherboard.
21 Dec 1994 - Clarified identification of various revisions.
21 Nov 1994 - Reviewed information and changed access level.

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Keywords: kpbook

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19960215 11:05:19.00

Tech Info Library Article Number: 15799