Apple Service - Troubleshoot and Repair

Tech Info Library

TITLE

PowerBook G3 Series: Identifying Circuit Boards

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TOPIC

* RESTRICTED: Apple Internal and Support Providers Only *
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This article describes how to identify various circuit boards in PowerBook G3 Series computers, which is essential for ordering correct replacement parts.

DISCUSSION

When replacing PowerBook G3 series circuit boards it is very important to check the ID codes to verify that you are ordering the correct part.

The ID codes listed in the table below can be found within the serial numbers that are attached to the circuit boards. They are not part of the whole unit serial number that is attached to the bottom of the PowerBook.

These serial numbers can be located in the following locations:

Microprocessor Board: Follow the instructions in Service Source for removing the microprocessor card. With the card removed, look at the serial number/bar code label on the SODIMM connector on the bottom side of the card.

I/O Logic Board: This serial number label is viewable from the opening for the PC Card slots. You don't need to disassemble the PowerBook. Gently push in the PC Card slot doors and look inside the opening. You should see the serial number/bar code label. You may need to use a small flashlight to see the lettering on the label.

The ID codes are the next to last three characters in the serial number. For example, if the serial number is *CK8xxxxxyyyx* then the ID code would be "yyy".

Identification

The serial number labels are printed in one of two ways:

The ID codes are the next to last three characters in the serial number. For example, if the serial number is *CK8xxxxxyyyx* then the ID code would be "yyy".

-OR-

A different type of serial number label has "Singapore" printed directly after the serial number. In this case, the serial number labels have the ID codes within the last 5 characters of the serial number. For example, if the serial number is *KC8xxxxxxyyyxx* then the ID code would be yyy.

Exchange Parts Like for Like

Unless directed otherwise in the Service Parts Database, exchange parts like for like. Refer to the following table for the listing of ID Codes.
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Part	Description	Service Part Number	ID Code

Microprocessor Board	233 MHz/0 cache	661-2035	BKF
	233 MHz/512K cache	661-2089	DW3, ERN
	250 MHz/1 M cache	661-2036	BKE
	266 MHz/1 M cache	661-2097	EE8
	292 MHz/1 M cache	661-2021	BAD
	300 MHz/1 M cache	661-2088	DW4
I/O Logic Board	2 MB SGRAM, no TV out	661-2058	BKG, DGK, DFL
	2 MB SGRAM, TV out	661-2094	DW6
	4 MB SGRAM, TV out	661-2087	DW7
	4 MB SGRAM, TV out	661-2019	B9B, DGL, DFM

Note: Macintosh PowerBook G3 Series computers should not be confused with Macintosh PowerBook G3 computers. Though the names are similar, there are significant differences. For more information differentiating between the computers, read Tech Info Library article 24604: "**PowerBook G3, G3 Series: Identifying Different Versions**"

EXTENDED Information - Apple Internal Use - Service Providers and Support Professional

Document Information
Product Area: Computers
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Sub Category: PowerBook G3 Series