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AppleCAT: Macintosh IIX, Macintosh IICX, and Macintosh SE/30

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NOTE: This article applies to SOME of but not ALL Macintosh 68030 systems.

On some 68030 systems, AppleCAT II/IIX version 2.3, AppleCAT IICX version 1.0, and AppleCAT SE/30 version 1.0 are indicating failure of all four DRAM SIMMs in bank B despite there being NO DRAM installed in bank B. This problem can occur on all Macintosh IICX units, and on Macintosh IIX or Macintosh SE/30 units that contain certain ROM (not DRAM) SIMMs. The ROM SIMM in question has the part number 630-4339 printed on the board itself.

If the AppleCAT diagnostic is used to test units with these ROM SIMMs, it will first indicate that all bank B DRAM should be replaced. If the diagnostic is continued, it will indicate that the logic board should be replaced. However, the logic board should NOT be replaced; the diagnostic has incorrectly assumed that bank B contains DRAM.

Proper operation of the Macintosh IIX, IICX and SE/30 can still be tested by using the appropriate MacTest diagnostic. It can also be tested by installing DRAM in bank B before using AppleCAT.

For complete information please contact your regional Technical Support center.

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