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## Macintosh IIvx, IIvi, Performa 600: NuChip 30 & Bus Master 2/93

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TOPIC -----

A limited number of Mac IIvx, IIvi and Performa 600 logic boards were manufactured with a component called NuChip 30. This component is incompatible with some NuBus Master cards that directly access the logic board VRAM. All aspects of the IIvx, IIvi and Performa 600 will function normally, until a Bus Master Card that performs DMA with VRAM is installed.

DISCUSSION -----

We are aware of only two cards that are incompatible with the NuChip 30:

- a teleconferencing card made by Workstations Technologies for Northern Telecom
- the Macintosh Display Card 8•24GC.

The most likely symptom: the system "locks" or "freezes" during startup or during some operation that requires the Bus Master card.

The NuChip 30 was replaced by the NuChip 35 early in the manufacturing process.

If a customer experiences this problem the logic board should be exchanged through the normal service channel. Apple USA service inventory has been screened to ensure the NuChip 30 component is not part of the inventory.

A logic board can be identified by examining the ID numbers on component U43:

NuChip 30: 343S1020

NuChip 35: 343S1095

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