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Venturis FX-2 and Digital PC3100
Product Change Information

Release Date: February 26, 1998

This document details the following for the Venturis FX-2 and DIGITAL PC 3100 product change information:

- Introduction
- Product Change Summary
- BIOS Release Summary
- Product Change Release Notes
- BIOS Change Release Notes
- Customer Impact Ratings
- Future Releases

Introduction

This document is meant to provide customers with a synopsis of product changes. The change information will enable customers to evaluate the impact any change has on their environment. All proposed product changes are appraised for impact to daily customer operations. The evaluation includes, but is not limited to such items as; safety, emission requirements, functionality, compatibility, reliability, and the manufacturing process. Recommendations are then made to customer on whether such action needs to be taken. On occasion, emergency changes will be released before they are reflected in this document.

Product Change Summary

The Product Change Summary provides a overview of the "Engineering Change Orders" or ECOs that have been released. This matrix provided the part number, part description, date of release, customer impact, and brief description of the change. At this time, this document only covers Main Logic Board (MLB) and system BIOS changes. Future releases of this document will include ECO information for other critical salable components.

Main Logic Board Change Summary

The Main Logic Board Change Summary provides a overview of the "Engineering Change Orders" or ECOs that have been released for the main logic board. This matrix supplies the part number, part description, date of release, customer impact, and brief description of the change.

At this time, this document accompanies new product releases. Thus there are no ECOs to be documented at this time. Future releases of this document will cover ECOs for the Main Logic Board (MLB).

BIOS Release Notes

The BIOS Release Notes provide more detailed change information on each BIOS release. This information includes a three sections: problem fixed, new features, and compatibility.

Impact Rating

For each product change, a customer impact rating is given. The customer impact rating can be one of four ratings: High, Medium, Low, or None.

High   A "HIGH" rating indicates that this change has some or significant customer impact. This change may affect functionality or compatibility.

Medium   A "MEDIUM" rating indicates that this change may impact some customers or customers using certain configurations. This change will have a minor effect on reliability, functionality, or compatibility.

Low   A "LOW" rating indicates that this change will have a minor impact on customers. This change is typically a product improvement and/or enhancement.

None   A "NONE" rating indicates that this change has no customer impact.

Future Releases

Future releases will incorporate information for other critical system components. Moving forward, BIOS changes will be separated from the Main Logic Board (MLB) changes. Historically, BIOS releases were tied to MLB revision therefore a change in BIOS version would change the MLB revision. In the future, a BIOS change will be independent and not affect the MLB revision.

System Software CD (EJFIGS)

Rel Date	Kit P/N	Ver.	CD P/N	Change Description
5-2-97	QC-05EAA-HW	1.2	AG-R4STC-BH	AMI diagnostics revised to (5.21d), PCCare to (1.12b). Also added S3 Refresh utilities for Win 3.11.
TBD	QC-05EAA-HW	1.3	AG-R4STD-BH	TBD
TBD	QC-05EAA-HW	1.4	AG-R4STE-BH	TBD
TBD	QC-05EAA-HW	1.5	AG-R4STF-BH	TBD
TBD	QC-05EAA-HW	1.6	AG-R4STG-BH	TBD
1-20-98	QC-05EAA-HW	1.7	AG-R4STH-BH	PIIX4 IDE for NT / Win95 revised to v2.02.1, ClientWorks for NT / Win95 revised to v291.932, AMI Diagnostics for NT / Win95 revised to v531c1, Mouseware for NT revised to v2.3A; Mouseware for Win95 revised to v7.5, PC Care for Win95 revised to v1.12g.

Startup Diskette (EFIGS)

Rel Date	Kit P/N	Ver.	Disk P/N	Change Description
5-2-977	QC-05JAA-HC	1.1	AK-R3RTD-CA	AMI diagnostics revised to (5.21d), PCCare to (1.12b). Also added S3 Refresh utilities for Win 3.11.

Diskette (Japanese)

Rel Date	Kit P/N	Ver.	Disk P/N	Change Description
5-2-97	QC-05JJA-HC	1.0		AMI diagnostics revised to (5.21d), PCCare to (1.12b). Also added S3 Refresh utilities for Win 3.11.

Product Change Summary

Part Number	Part	Rev	ECO Number	Date	Impact	Change Description
54-25292-01	Riser Card	B01	5425292/PC0009	Apr 97	Low	Address a potential assembly issue
54-25292-02	Riser Card	B01	5425292/PC0009	Apr 97	Low	Address a potential assembly issue
54-25308-01	MLB	C01	54225308/TA001	Apr 97	Med	Change resistor value
54-25308-02	MLB	C01	5425308/TA001	Apr 97	Med	Change resistor value
54-25308-01	MLB	D02	5425308-TA003	May 97	Med	Delete components from second reset circuit
54-25308-02	MLB	D02	5425308-TA003	May 97	Med	Delete components from second reset circuit
54-25308-01	MLB	E02	5425308/TA004	May 97	High	Update Flash BIOS
54-25308-02	MLB	E02	5425308/TA004	May 97	High	Update Flash BIOS
54-24626-01	MLB	D05	5424616/TA005	May 97	High	Update Flash BIOS
54-24626-01	MLB	D06	5424616/TA005	May 97	High	Update Flash BIOS
54-25308-01	MLB	D02	PC0014#02/ 5425308	May 97	Low	Delete components from second reset circuit
54-25308-02	MLB	D02	PC0014#02/ 5425308	May 97	Low	Delete components from second reset circuit
54-25308-01	MLB	F03	5425308/TA007	May 97	Low	Delete components from assembly documentation
54-25308-02	MLB	H02	5425308/TA007	May 97	Low	Delete components from assembly documentation
PCD01-A9	Kernel	B01	PCD01/TA001/ PC0006	May 97	Low	Allow use of common assemblies
PCD01-B9	Kernel	B01	PCD01/TA001/ PC0006	May 97	Low	Allow use of common assemblies
FR-DJA01-AC	Kernel	D01	MAG-060H/ FRDAA01	June 97	Low	Alternate source for drives and CD-ROM
FR-DJA01-AD	Kernel	D01	MAG-060H/ FRDAA01	June 97	Low	Alternate source for drives and CD-ROM
54-24616-01	MLB	E05	5424616/TA006	June 97	Low	Delete resistor from assembly documentation
54-24616-01	MLB	E06	5424616/TA006	June 97	Low	Delete resistor from assembly documentation
54-24616-01	MLB	E07	5424616/TA007	June 97	Low	Delete components from assembly documentation
54-24616-01	MLB	E08	5424616/TA007	June 97	Low	Delete components from assembly documentation

Product Change Summary

Part Number	Part	Rev	ECO Number	Date	Impact	Change Description
PCD01-A9	Kernel	C01	PC0037/ PCD01-TA002	June 97	Low	Phase in new MLB
PCD01-B9	Kernel	C01	PC0037/ PCD01-TA002	June 97	Low	Phase in new MLB
PCD05-A9	Kernel	A02	PC0026/ PCD05-TA001	June 97	Low	Substitute Riser Card
PCD05-A9	Kernel	B02	PC0036/ PCD05-TA002	June 97	Low	Phase in alternate MLB
PCD05-B9	Kernel	B01	PC0036/ PCD05-TA002	June 97	Low	Phase in alternate MLB
54-25320-01	MLB	B02	PC0029#01/ 5425320-TA003	July 97	Low	Delete components from assembly documentation
54-25308-01	MLB	F03	PC0032/33/34- 5425308/334/320	July 97	Med	Update Flash BIOS
54-25308-02	MLB	J03	PC0032/33/34- 5425308/334/320	July 97	Med	Update Flash BIOS
54-25320-01	MLB	B02	PC0032/33/34- 5425308/334/320	July 97	Med	Update Flash BIOS
54-25320-02	MLB	E01	PC0032/33/34- 5425308/334/320	July 97	Med	Update Flash BIOS
54-25320-01	MLB	B03	PC0041/43/44/54 25308/320/334	July 97	Low	Phase in new graphics controller
54-25320-02	MLB	F04	PC0041/43/44/54 25308/320/334	July 97	Low	Phase in new graphics controller
54-25308-01	MLB	J03	PC0041/43/44/54 25308/320/334	July 97	Med	Phase in new graphics controller
54-25334-01	MLB	A01	TBD	TBD	TBD	TBD
54-25334-01	MLB	A02	PC0041/43/44/54 25308/320/334	July 97	Med	Phase in new graphics controller
54-25334-01	MLB	B02	TBD	TBD	TBD	TBD
54-25334-01	MLB	B03	TBD	TBD	TBD	TBD
54-25334-01	MLB	C02	TBD	TBD	TBD	TBD
54-25334-01	MLB	C03	TBD	TBD	TBD	TBD
54-25334-01	MLB	D02	TBD	TBD	TBD	TBD
54-25334-01	MLB	D03	TBD	TBD	TBD	TBD
54-25334-01	MLB	E02	TBD	TBD	TBD	TBD

Product Change Summary

Part Number	Part	Rev	ECO Number	Date	Impact	Change Description
54-25334-01	MLB	E03	TBD	TBD	TBD	TBD
54-25334-01	MLB	F02	TBD	TBD	TBD	TBD
54-25334-01	MLB	F03	TBD	TBD	TBD	TBD
54-25334-03	MLB	A01	TBD	TBD	TBD	TBD
54-25334-03	MLB	A02	TBD	TBD	TBD	TBD
54-25334-03	MLB	B01	TBD	TBD	TBD	TBD
54-25334-03	MLB	B02	TBD	TBD	TBD	TBD
54-25334-03	MLB	C01	TBD	TBD	TBD	TBD
54-25334-03	MLB	C02	TBD	TBD	TBD	TBD
54-25334-03	MLB	D01	TBD	TBD	TBD	TBD
54-25334-03	MLB	D02	TBD	TBD	TBD	TBD
54-25334-03	MLB	E01	TBD	TBD	TBD	TBD
54-25334-03	MLB	E02	TBD	TBD	TBD	TBD

BIOS Release Summary

BIOS Revision	MLB Revision	ECO Number	Date	Impact	Change Description
1.02	E02	5425308/TA004	May 97	High	Maintenance Release
1.02	E02	5425308/TA004	May 97	High	Maintenance Release
1.02	D05 D06	5424616/TA005	May 97	High	Maintenance Release
1.04	B01 B02 E01 F03 J03	PC0032/33/34/ 5425308/334/332	July 97	Med	Maintenance Release

ECO Number: 5425292/PC0009

Part: Riser Card

Revision:	**54-25292-01**	**A01 - B01**
	54-25292-02	**A01 - B01**

Component: Wire added to riser card assembly

Severity: Low

ECO Issue Date: April 23, 1997

Type of Notification: No Customer action is required

Change Description: Modification of riser card to address a potential assembly issue

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Problem Description:

After insertion of MLB into the enclosure, a marginal contact of a gold finger occasionally occurs. This may cause a system power on failure.

Solution:

Short J6 pin's 239 and 240 to allow the signal PSON_L to make a better contact.

Customer Impact/Recommendations:

There is no Customer impact. This condition only occurs when inserting an MLB into the chassis, thus tested, shipping systems are unaffected.

ECO Number 5425308/TA001

Part: Main Logic Board

Revision: 54-25308-01   B01 - C01
**   54-25308-02   B01 - C01**

Component: Resistor

Severity: Medium

ECO Issue Date: April 23, 1997

Type of Notification: Customer action may be required

Change Description: Change resistor value to correct potential intermittent problem with Secure_on implementation.

Problem Description:

Leakage voltage at +5v may cause `secure_on` intermittent functional failure. `Secure_on` function may not work or will require extra time to turn on system.

Solution:

Change resistor R79 from 10K to 100K.

Customer Impact/Recommendations:

If the Customer is experiencing start-up problems with the Secure_on function, this change notice should be implemented.

ECO Number: 5425308-TA003

Part: Main Logic Board

Revision: **54-25308-01**   **D01 - D02**
                      54-25308-02   **D01 - D02**

Component: Passive components

Severity: Only affects certain IDE devices

ECO Issue Date: May 18, 1997

Type of Notification: Customer action may be required

Change Description: Circuit change needed to remove second reset circuit

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Problem Description:

Remove the second reset circuit. It is not needed.

Solution:

1. The parts D9, E32, C449, C448, and R258 are not needed because the 2nd reset circuit is not needed.

2. Add zero ohm Resister to provide proper termination to E16, pin 4

Customer Impact/Recommendations:

Customers with previous version MLB's may experience problems with some IDE devices.

ECO Number: 5425308/TA004

Part: Main Logic Board

Revision: **54-25308-01**   **D02 - E02**
                54-25308-02   **D02 - E02**

Component: Flash BIOS

Severity: High

ECO Issue Date: May 18, 1997

Type of Notification: Customer action may be required

Change Description: Update Flash BIOS

Problem Description:

1. Set the MDI memory speed to 15 ns if DIMM installed.

2. Fixed the condition that caused Novell 3.12 server system panic with AMD K5-PR166.

3. Fixed the condition that when "programmable power on" was set to disable, the power still automatically turned on at the specific time.

4. Add using arrow key to move cursor hint to user at tool bar in Custom Sign-on Banner screen.

5. Change the boot ordering popup menu access. The original policy was that anyone under any condition could change the boot ordering.

Now, if

- the password is not set: anyone can access

- the password is set, and "password on boot" is disabled: anyone can access

- the password is set, and "password on boot" is enabled: only the "supervisor password" to boot can access.

7. Fixed the condition that prevented auto detecting the HDD "Maxtor 85120 AB-" (CHS, 10585, 15,

8. 63, 5121MB).

9. Fixed the condition that showed 16M information when a 32M DIMM was installed.

10. Changed the DMI slot information for the short tower from 3 ISA 2 PCI to 3 ISA 3 PCI.

11. Fixed the condition that caused J-Win95 OSR2 to not startup with add-on (DE500 NIC) and (SB16 PNP Sound).

12. Fixed the condition that caused the missing "PS/2 Mouse:Installed" in summary screen.

13. Changed AMD K6 CPU sign on from AMD-K6/PR2-xxx to AMD-K6-xxx

14. New BIOS will not display the setup item "Password on boot:" when entering setup by using user password.

15. Change the setup help text of the "Integrated Peripherials" selection to delete the text " and local bus IDE adapter ", because IDE setup item is no longer at this location.

16. Fixed the condition that caused a hang when formatting a UDMA fdisk by using a floppy created by a UDMA fdisk.

17. Fixed support for 64Mbit Sdram technology.

18. If 3rd slot is installed, clear MTXC reg 54 bit 1 to 0, other wise set to 1 (64 Mb support). When set to 0: if 1st and 2nd bank is 64M, then only 16M is detected in both banks. if 3rd bank is 64M, then system would hang. When set to 1: 1st and 2nd bank can support 64 Mbyte.

19. Fixed the intermittent condition found in the factory, where some SMC935Apm chip in some MLBs, would cause CMOS to discharge after power was removed from system.

20. Fixed the condition that would cause the system to not wake up under Windows NT power management, when the suspend icon was clicked and the mouse moved immediately.

Solution:

Update the flash BIOS to version 1.02.

Customer Impact/Recommendations:

The customer is advised to update to the latest BIOS.

ECO Number: 5424616/TA005

Part: Main Logic Board

Revision: **54-24616-01**   **D03 - D05**
                54-24616-01   **D04 - D06**

Component: Flash BIOS

Severity: High

ECO Issue Date: May 19, 1997

Type of Notification: Customer action may be required

Change Description: Update Flash BIOS

Problem Description:

1. Set the MDI memory speed to 15 ns if DIMM installed.

2. Fixed the condition that caused Novell 3.12 server system panic with AMD K5-PR166.

3. Fixed the condition that when "programmable power on" was set to disable, the power still automatically turned on at the specific time.

4. Add using arrow key to move cursor hint to user at tool bar in Custom Sign-on Banner screen.

5. Change the boot ordering popup menu access. The original policy was that anyone under any condition could change the boot ordering.

Now, if

- the password is not set: anyone can access

- the password is set, and "password on boot" is disabled: anyone can access

- the password is set, and "password on boot" is enabled: only the "supervisor password" to boot can access.

7. Fixed the condition that prevented auto detecting the HDD "Maxtor 85120 AB-" (CHS, 10585, 15, 63, 5121MB).

8. Fixed the condition that showed 16M information when a 32M DIMM was installed.

9. Changed the DMI slot information for the short tower from 3 ISA 2 PCI to 3 ISA 3 PCI.

10. Fixed the condition that caused J-Win95 OSR2 to not startup with add-on (DE500 NIC) and (SB16 PNP Sound).

11. Fixed the condition that caused the missing "PS/2 Mouse:Installed" in summary screen.

12. Changed AMD K6 CPU sign on from AMD-K6/PR2-xxx to AMD-K6-xxx

13. New BIOS will not display the setup item "Password on boot:" when entering setup by using user password.

14. Change the setup help text of the "Integrated Peripherials" selection to delete the text " and local bus IDE adapter ", because IDE setup item is no longer at this location.

15. Fixed the condition that caused a hang when formatting a UDMA fdisk by using a floppy created by a UDMA fdisk.

16. Fixed support for 64Mbit Sdram technology.

17. If 3rd slot is installed, clear MTXC reg 54 bit 1 to 0, other wise set to 1 (64 Mb support). When set to 0: if 1st and 2nd bank is 64M, then only 16M is detected in both banks. if 3rd bank is 64M, then system would hang. When set to 1: 1st and 2nd bank can support 64 Mbyte.

18. Fixed the intermittent condition found in the factory, where some SMC935Apm chip in some MLBs, would cause CMOS to discharge after power was removed from system.

Solution:

Update the flash BIOS to version 1.02.

Customer Impact/Recommendations:

The cCustomer is advised to update to the latest BIOS.

ECO Number: PC0014#02/5425308

Part: Main Logic Board

Revision: **54-25308-01**   **D01 - D02**
                54-25308-02   **D01 - D02**

Component: Various passive components

Severity: Low

ECO Issue Date: May 19, 1997

Type of Notification: No Customer action is required

Change Description: Removal of components associated with the second reset circuit that is not needed

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Problem Description:

1. The parts D9, E32, C449, C448, and R258 are not needed because the 2'nd reset circuit is invalid.

2. Add zero ohm resister to provide proper termination to E16, pin 4.

Solution:

Remove unneeded components, add zero ohm resistor.

Customer Impact/Recommendations:

There is no customer impact.

ECO Number: 5425308-TA007

Part: Main Logic Board

Revision: **54-25308-01**   **F02 - F03**
                    54-25308-02   **H02 - H02**

Component: Various passive components

Severity: Low

ECO Issue Date: May 19, 1997

Type of Notification: No Customer action is required

Change Description: Remove the components from all assembly documentation

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<u>Problem Description:</u>

Remove unused resistors R72, R74, R79, Q6, Q7.

<u>Solution:</u>

Remove the components from all assembly documentation.

<u>Customer Impact/Recommendations:</u>

There is no customer impact.

ECO Number: PCD01/TA001/PC0006

Part: Kernel

Revision: **PCD01-A9**   **A01 - B01**
PCD01-B9   **A01 - B01**

Component: Power supply, main logic board, riser card.

Severity: Low

ECO Issue Date: May 19, 1997

Type of Notification: No Customer action is required

Change Description: Allow use of common assemblies

Problem Description:

1. The Venturis FX power supply has been qualified in Venturis FX-2 systems.

2. Phase in Celebris FX-2 motherboard and riser card in Venturis FX-2 system.

Solution:

1. Allow use of 30-46882-01 (Venturis FX p/s) as a substitute part in Venturis FX-2 systems.

2. Allow use of 30-46902-01 (Venturis FX p/s) as a substitute part in Venturis FX-2 systems.

3. Replace main logic board 54-24616-01 with 54-25308-01.

4. Replace low profile riser card 54-24618-01 with 54-25292-01.

5. Replace short tower riser card 54-24620-01 with 54-25294-01.

Customer Impact/Recommendations:

Customers ordering new systems may receive either power supply, main logic board, or riser card. There is no functional impact.

ECO Number: MAG-060H/FRDAA01

Part: Kernel

Revision:	**FR-DJA01-AC**	**C01 - D01**
	FR-DJA01-AD	**C01 - D01**

Component: Hard drives and CDROM

Severity: Low

ECO Issue Date: June 4, 1997

Type of Notification: No Customer action is required

Change Description: Alternate sources of qualified hard drives and CDROM

<u>Problem Description:</u>

Alternate sources of qualified hard drive and CDROM products needed for manufacturing efficiency.

<u>Solution:</u>

Allow the following substitutions:

1. PCXRN-AH (12X Toshiba CDROM) is an acceptable substitute for PCXRN-AI (12X Teac CDROM).

2. PCXRA-AN (2.0 GB Quantum HDD) is an acceptable substitute for PCXRA-AP (2.0 GB WD HDD).

3. PCXRA-AF (1.2 GB Quantum HDD) is an acceptable substitute for PCXRA-AJ (1.2 GB WD HDD).

<u>Customer Impact/Recommendations:</u>

Customers may receive either source of hard drive or CDROM in future production.

ECO Number: 5424616-TA006

Part: Main Logic Board

Revision: 54-24616-01   D05 - E05
**   54-24616-01   D06 - E06**

Component: Resistor

Severity: Low

ECO Issue Date: June 5, 1997

Type of Notification: No Customer action required

Change Description: Remove an internal resistor in the IC circuit

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Problem Description:

PIIX4 provides too large of a drive level for the crystal. This causes start up problems.
Subsequent debug resulted in adding a diode to reduce the drive level.

Solution:

Remove resistor from assembly instruction documentation.

Customer Impact/Recommendations:

A customer that is experiencing start up problems should review the MLB revision level.

ECO Number: 5424616-TA007

Part: Main Logic Board

Revision: **54-24616-01   E05 - E07**
                    54-24616-01   E06 - E08

Component: Unused components

Severity: Low

ECO Issue Date: June 30, 1997

Type of Notification: No customer action required

Change Description: Removal of unused components

Problem Description:

Removal of unused components.

Solution:

Remove R72, R74, R79, Q6, and Q7 components from Main Logic Board assembly.

Customer Impact/Recommendations:

There is no customer impact.

ECO Number: PC0037/PCD01-TA002

Part: Kernel

Revision: PCD01-A9   B01 - C01
**   PCD01-B9   B01 - C01**

Component: Main Logic Board

Severity: Low

ECO Issue Date: June 30, 1997

Type of Notification: No customer action required

Change Description: Phase in of alternate Main Logic Board assembly

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Problem Description:

No functional problem, this change is to improve manufacturing efficiency.

Solution:

Phase in new Main Logic Board, part number 54-25334-01 (A01).

Customer Impact/Recommendations:

Customers ordering new systems may receive the alternate Main Logic Board. There is no functional impact to this change.

ECO Number: PC0026/PCD05-TA001

Part: Kernel

Revision: PCD05-A9   A01 - A02

Component: Low Profile riser card

Severity: Low

ECO Issue Date: June 30, 1997

Type of Notification: No Customer action is required

Change Description: Allow use of alternate part number Riser Cards

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Problem Description:

Allow use of low profile Riser Card revision B01 with Main Logic Board 54-25320-01.

Solution:

Change assembly documentation to note that 54-24618-01 and 54-25292-01 revision B01 are acceptable substitutes when used with Main Logic Board 54-25320-01.

Customer Impact/Recommendations:

Customers receiving new systems may receive either riser card. There is no functional impact to this change.

ECO Number: PC0036/PCD05-TA002

Part: Kernel

Revision: PCD05-A9   A02 - B02
               PCD05-B9   A01 - B01

Component: Main Logic Board

Severity: Low

ECO Issue Date: June 30, 1997

Type of Notification: No customer action is required

Change Description: Phase in alternate part number for Main Logic Board

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<u>Problem Description:</u>

Phase in alternate Main Logic Board, 54-25334-01 (A01).

<u>Solution:</u>

Allow use of either 54-25320-01 or 54-25334-01 Main Logic Boards.

<u>Customer Impact/Recommendations:</u>

There is no customer impact as both Main Logic Boards are acceptable substitutes.

ECO Number: PC0029#01/5425320-TA003

Part: Main Logic Board

Revision: 54-25320-01   B01 - B02

Component: Resistors, transistors

Severity: Low

ECO Issue Date: July 2, 1997

Type of Notification: No Customer action is required

Change Description: Removal of unused components. These components are not included in higher revision assemblies (i.e. –02 version).

<u>Problem Description:</u>

There is no functional problem, documentation only.

<u>Solution:</u>

Remove unused components (R72, R74, R79, R600, Q6, Q7) from assembly documentation.

<u>Customer Impact/Recommendations:</u>

There is no Customer impact.

ECO Number: *PC0032/33/34*
5425308/334/320

Part: **Main Logic Board**

Revision: **54-25308-01**   **F03 - F03**
                54-25308-02   **H03 - J03**
                54-25334-02   **A01 - B01**
                54-25320-01   **B02 - B02**
                54-25320-02   **D01 - E01**

Component: **Flash BIOS**

Severity: **Medium**

ECO Issue Date: **July 2, 1997**

Type of Notification: **Customer Action may be required**

Change Description: **Update to Flash BIOS**

Problem Description:

Running the Audio tests utility, EOLT.EXE (v 1.12), with MMX 166, BIOS level 1.03, will fail.

Solution:

Implement V1.04 BIOS.

Customer Impact/Recommendations:

The customer is advised to update to the latest version of flash BIOS.

ECO Number: PC0041/43/44/5425308/320/334

Part: Main Logic Board

Revision: **54-25320-01   B02 - B03**
                  54-25320-02   E02 - E02
                  54-25308-01   F03 - F04
                  54-25308-02   J03 - J03
                  54-25334-01   A01 - A02
                  54-25334-02   B02 - B02

Component: TRIO64V2 GX Graphics controller

Severity: Low

ECO Issue Date: July 9, 1997

Type of Notification: No customer action is required

Change Description: Phase over to new revision of graphics controller

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Problem Description:

Graphics chip supplier is providing a new revision component. There is no functional difference between this component and the existing component.

Solution:

Allow the use of either component to accomplish a phase over.

Customer Impact/Recommendations:

Customers may receive either graphics controller chip installed on the Main Logic Board. There is no functional difference between the components.