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FCO

Level of Urgency

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FIELD CHANGE ORDER

Number: FCO 871BA-R001

Applicability: Retrofit all VAX 8700 systems to Revision Level "B1".
 This FCO incorporates the ECOs listed on page 2.

Problem/Symptom:

See page 2

Quick Check: Jumper configuration (W1-out, W2-in, W3-out,
 W4-in) HEX:10

Compatibility/Prerequisite FCO: N/A

Est. Time to Install:
 1.0 hour

Special Tools or Test Equipment: Field Service Tool Kit

FCO Parts Information

Order by	Quantity:	Part Number:	Description:
FCO Kit#:			
EQ-01450-01	1	F1001	Memory Control Board Rev F3/F4
FA-04736-01			FCO Document

EQ Kit Variation System/Option Applic: N/A

Approvals

CSSE Engineer
 Jim Powers

F.S. Product Safety
 Jerry Gannelli

F.S. Logistics
 Ed Duggan

CSSE Manager
 Jan Sicard

F.S. Microfiche Libraries
 EP-FSNVX-LB VAX

Affected Population:
 500

MicroMedia Pub
 Ray LeBlanc

VAXnotes
 STARS

Initial Kitting:
 500

Revision:

A

FCO Release Date

15-JUN-87

Hardcopy Publication:

4,000

Parts Availability:

June 1987

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FCO 871BA-R001

PAGE 2 OF 4

Applicability and Problem/Symptom cont. from page 1

This FCO contains the following ECOs:

F1001-LK005 - New Part Revision "D2/D3"

A problem on the MCL module with updating the "Error Page Address" may not allow the operating system to successfully call out the correct array when encountering a memory error.

F1001-LK006 - New Part Revision "E2/E3"

Introducing new version MCA 19-22619-01.
Performance Enhancement.

F1001-LK008 - New Part Revision "F4"

No longer using part #19-22579-01 (National 8480)
Replacing with Part #19-22579-02 (National 8480A)

F1001-LK009 - New Part Revision "F3"

No longer using part #19-22579-01 (National 8480)
Replacing with Part #19-22579-02 (National 8480A)

FIELD INSTALLATION AND TEST PROCEDURE FOR FCO 871BA-R001

- 1. Shut down the system by executing the Shutdown Command Procedure.
\$ @SYS\$SYSTEM:SHUTDOWN

After VMS shuts down, type CTRL^P HALT.... you will now be in the console mode. The prompt is ">>>"

2. Using the 8700 console commands, power the 8700 off.
>>>POWER OFF (CR)

Open the front left CPU cabinet door and set CB1, the Main Circuit Breaker on the 876-A Power Controller to the "OFF" (0) position.

3. Use ALL ESD safety precautions to prevent DOA modules in upgrade kit.

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```
*****
*
*           C A U T I O N
*
*   The module, as all other VAX 8X00 modules,
*   contains electrostatic discharge sensitive
*   devices (ESDS).  The use of the new VELOSTAT
*   case is essential to prevent damage which may
*   not be noticed immediately.
*
*****
```

4. Hook static strap from 8700 to ESD case, hook the other ESD strap to wrist. Open air-flow slides in front of the card cage exposing area around slot containing the F1001 module. Open ESD container by breaking the ESD SEAL on the front of the case. Remove the F1001 module from the CPU slot and place it on the pink foam opposite the Rev F3/F4 module (EQ-01450-01). (This is the temporary storage area until new module is installed.)
5. Check the Revision of the F1001 module in the machine. If the F1001 module is at Rev F3/F4 reinstall it in the same slot and proceed to step 10. If the module revision is below Revision F3/F4, proceed to step 6.
6. Remove the Revision F3/F4 module from the special ESD container. Install it in the same slot from which you removed the old module.
7. Package the old Rev module in the same ESD container and close the case.
8. Remove grounding cable from ESD container once closed.
9. Return the old F1001 module ASAP to designated repair center for upgrade.
10. Set Circuit Breaker CB1 on the 876-A Power Controller to the "ON" (1) position. Close and latch the cabinet doors.

Power up the CPU by typing the following command:

>>>POWER ON <CR>
11. Verify total CPU operation by running the following diagnostics, as follows:
 - a. At the ">>>" prompt type the following command

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FCO 871BA-R001

PAGE 4 OF 4

- b. At the ">>>" prompt type the following command
>>>T/C <CR> (this will get you to the micmon prompt).
- c. At the "mic>" prompt type the following
mic>DI/SEC:EZKBA:EZKBD <CR> (runs the micros to check memory)
- d. When finished type the following at the ">mic" prompt
mic>EXIT <CR> (exits the micmon)
- e. At the ">>>" prompt type the following
>>>@SYSINIT <CR> (initialize the system)
- f. At the ">>>" prompt type the following
>>>@DIABOO <CR> (load supervisor)
- g. Load and execute the following diagnostics:
 - EVKAA
 - EVKAB
 - EVKAE
 - EZKAX
 - EZCJA
 - EVCBB

- 12. Bring up the VMS Operating System and run UETP.
- 13. Update the Site Management Guide to reflect this FCO.
- 14. Report this FCO activity on the LARS for in the "Fail Area/
Module/FCO/Comments" column as follows: FCO 871BA-R001.

LARS

	USA & GIA	EUR
Activity -		
Contract and Warranty	W or	Y or
Non Contract/Non Warranty	F	F
DEC Option	871BA	871BA
Type of Call	M	M
Action Taken	D	I
Fail Area-Module-FCO-Comments	871BA-R001	871BA-R001
Material Used	EQ-01450-01	EQ-01450-01

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