_ _ _ _ _ _ _ || | | | | | | ||d|i|g|i|t|a|l| ||_|_|_|_|_|_|_|	FCO	Level of Urgency +--+ | I| +--+	Page_1_ Of_4_

FIELD CHANGE ORDER — Number: FCO 85XBA-I008

Applicability: This FCO will upgrade systems that contain MS88-DAs only on VAX 85X0 systems.

Problem/Symptom: The current MCL (F1001) can only isolate down to the failing mother board. This fixes the problem of the 64 meg memory arrays not always being able to isolate a problem down to the failing FRU (daughter board) when the failure is intermittent memory problems.

Quick Check: Look for F1021 MCL module

Compatibility/Prerequisite FCO: Implement on 8700/8800/8810/8820 Config. N per FCOs: 871BA-I004, 882BA-I006	Est. Time to Install: 1.0 hours

Special Tools or Test Equipment: Field Service Tool Kit

FCO Parts Information

Order by FCO Kit#:	Quantity:	Part Number:	Description:
EQ-01518-01	1	F1021	Memory Control Board Rev. B1/2/3/4/5
FA-04818-01	1		FCO Document

EQ Kit Variation System/Option Applic: N/A

Approvals

CSSE Engineer Jim Powers	F.S. Product Safety Bob Brister	F.S. Logistics Ed Duggan
CSSE Manager Jan Sicard	F.S. Microfiche Libraries EP-FSNVX-LB VAX VAXnotes STARS	Affected Population: 452
MicroMedia Pub Ray LeBlanc		Initial Kitting: 452
Revision:		Hardcopy Publication:

A		500
FCO Release Date 17-Jul-1988		Parts Availability: August 1988

****
* This FCO should only be installed on systems with MS88-DA memory.*
****

FIELD INSTALLATION AND TEST PROCEDURE FOR FCO 85XBA-I008

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 85X0 console commands, power the 85X0 off.
   >>>POWER OFF (CR)

   After the system has powered down, place the Circuit Breaker (CB1) located near the input power cord, in the "OFF"(0) position. Wait five minutes to allow the capacitors to bleed down.

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

****
* 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 85X0 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. Check the MCL module in the machine. If it is an F1021, proceed to step 10. If the module is an F1001, proceed to step 5 and continue with the FCO installation.

5. Verify module provided in EQ-01518-01 is an F1021 - part number should be visible through window in ESD container. If module is not an F1021, return to designated repair center and obtain a replacement kit. If module is an F1021, proceed with FCO installation: 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 B* module. (This is the temporary storage area until the new module is installed.)

6. Remove the F1021 revision B* module from the special ESD container. Install it in the same slot from which you removed the F1001 module.

7. Package the F1001 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.

10. Set Circuit Breaker CB1 to the "ON" (1) position.

    Power up the CPU by typing the following command:

    >>>POWER ON <CR> at the console.

11. Verify total CPU operation by running the following diagnostics, as follows:

    a. At the ">>>" prompt type the following command
    >>>@SYSINIT

    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 85XBA-I008

LARS

	USA	GIA	EUROPE
Activity -			
Contract and Warranty	W	U	Y
Non Contract/Non Warranty	F	F	F
DEC Option	85X0	85X0	85X0
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	85XBA-I008	85XBA-I008	85XBA-I008
Material Used	EQ-01518-01	EQ-01518-01	EQ-01518-01

\^ 85XBA
\\85XBA
\\POWERS
\\1988
\\JUL
\\FCO_DOCS