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FCO

Level of Urgency

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FIELD CHANGE ORDER

Number: 85XBA-I009

Applicability: Retrofit all VAX 8530/8550 (851BA and 855BA) systems shipped between Jan-1988 and Jul-1988 with BBU compliant MPS backplane Rev. D*. This does not change the Rev. levels of the 70-23575 VAX 8530 and 70-23145 VAX 8550 Cab Sub-assemblies from "C1". This FCO incorporates the following ECO:

ECO H7060-MK006 - New Part Revision "B6/B7"

H7060-A Rev. "B7" started shipping in new machines 01-JUL-1988.

Field spares stock should also be upgraded.

Problem/Symptom: Overvoltage fault in the H7187 regulator caused by power interruption of less than 5 seconds duration.

Quick Check: The Revision of the H7060-A should be "B6 or B7".

Compatibility/Prerequisite FCO:

N/A

Est. Time to Install:

1 hour

Special Tools or Test Equipment:

Field Service Tool Kit

FCO Parts Information

Order by	Quantity:	Part Number:	Description:
FCO Kit#:			
EQ-01535-01	1	H7060-A	Power Supply Rev. B6/B7
FA-04838-01	1		FCO Documentation

EQ Kit Variation System/Option Applic: N/A

Approvals

CSSE Engineer

Jim Powers

F.S. Product Safety

Bob Brister

F.S. Logistics

John Davis

CSSE Manager

Jan Sicard

F.S. Microfiche Libraries

EP-FSNVX-LB VAX

Affected Population:

2,551

MicroMedia Pub.

Ray LeBlanc

VAXnotes

STARS

Initial Kitting:

2,551

Revision:

A

Hardcopy Publication:

2,600

FCO Release Date
1-FEB-89

Parts Availability:
February 1989

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FIELD INSTALLATION AND TEST PROCEDURE FOR FCO 85XBA-I009

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 8500/8530/8550 OFF.
>>>POWER OFF (CR)

Locate and pull the plastic "T" handle (CB1) found near the input power cord. This sets CB1, the Main Circuit Breaker on the H405-A/B Power Controller, to the "OFF" (0) position.

Five minutes should be allotted to allow 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 VELOSTAT                    *  
*   is essential to prevent damage which may                   *  
*   not be noticed immediately.                                  *  
*                                                                 *  
*****
```

4. Set up the Velostat Kit:

- a. Unfold the VELOSTAT mat to full size (24" x 24").
- b. Attach the 15 foot ground cord to the VELOSTAT snap fastener on the mat.
- c. Attach the alligator clip end of the ground cord to a good ground on the 85X0.

- d. Attach the wrist strap to either wrist and the alligator clip to a convenient portion of the mat.

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```

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5. The H7060-A is located at the bottom right hand corner of the cabinet in the 70-23575 or the 70-23145 cab sub-assembly rack behind the hinged access panel. Open the panel and locate the thumbscrew at the top of the H7060-A front panel and unscrew (counterclockwise).
6. Remove the regulator from its option slot and place it on the mat.
7. Check the Revision of the H7060-A regulator. If the H7060-A is at Rev. "B6/B7" reinstall it in the same slot and proceed to step 10. If the H7060-A is below Revision "B6" proceed to step 8.
8. Insert the replacement regulator EQ-01535-01 (Rev. "B6" or higher) taking care to ensure that it is inserted correctly into the guides. Gently slide regulator in and engage the connector. Tighten the thumbscrew (turn clockwise) and close the access panel.
9. Package the old Rev. regulator in the same ESD container and return the old H7060-A ASAP to designated repair center for upgrade.
10. Set the circuit breaker CB1 on the H405-A/B Power Controller to the ON (1) position by pushing in the plastic "T" handle. At this point, the console device will do a self check. Close and latch the cabinet doors.

Power up the CPU by typing the following command:

```
>>>POWER ON <CR>
```

11. Bring up the VMS Operating System.
12. Update the Site Management Guide to reflect this FCO.
13. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO 85XBA-I009

LARS

USA

GIA

EUROPE

Activity -

Contract and Warranty

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Y

Non Contract/Non Warranty	F	F	F
DEC Option	VAX 8530/8550	VAX 8530/8550	VAX 8530/8550
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	85XBA-I009	85XBA-I009	85XBA-I009
Material Used	EQ-01535-01	EQ-01535-01	EQ-01535-01

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