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FIELD CHANGE ORDER	NUMBER	KN470-AA-0001
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APPLICABILITY:

This FCO is for all AS2X00 5/250 systems with CPU modules, B2040-AA. The FCO requires all customer systems, and field stockroom material be retrofitted to replace B2040-AA with B2040-AB

System Types	AlphaSrv 2000 5/250	DA/DY-243Px-xx
	AlphaSrv 2100 5/250	DA/DY-253Px-xx
	AlphaSrv 2100 5/250 RM	DA/DY-253W1-xx
	AlphaSrv 2100 5/250 CAB	DA/DY-263C1-XX

** Only VMS and Unix 5/250 system require this FCO**

PROBLEM & SYMPTOM: The B2040-AA CPU module is subject to "21164 Timeout" or "Fail I/O_00 0048" error messages on the OCP during power or system reset. In multiple CPU system configurations, this error may disable a secondary CPU.

The B2040-AA CPU module does not support Windows NT operating systems. This FCO to the B2040-AB module will remove OS restrictions and allow use of Windows NT.

SOLUTION:

Replace CPU module B2040-AA with B2040-AB utilizing EQ kit

QUICK CHECK:

All AS2000/2100, EV5/250 systems are candidates. A list of systems by serial numbers is available. Systems shipped during Q4, FY95 and Q1FY96 are most suspect.

Module dash variant can be checked at the cosole using the SHOW FRU command.

PRE/CO-REQUISITE FCO:

None

MFIT HRS

1.0Hrs

TOOL/TEST EQUIPMENT:

None

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS
EQ-01744-01	B2040-AB
FA-05079-01	FA document

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xx. Use ALL ESD safety precautions to prevent DOA's on material in kit.

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*****
*                               C A U T I O N                               *
* CPU modules are static sensitive. Use an antistatic mat *
* and wrist strap when handling a CPU module *
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NOTE: In systems with multiple CPU's, all B2040-AA modules must be replaced with B2040-AB during this FCO procedure. If you do not have enough B2040-AB modules to complete the full upgrade, do not start this FCO procedure.

1. Press the Halt button to the "in" position. (Actual location of the system buttons and switches are included in the Owner's Guide)
2. Press the Reset button. The P00>>> console prompt will be displayed.
3. Enter the SHOW FRU command to identify CPU module slot locations and variant. Record slot locations of B2040-AA modules.
4. Perform an orderly shutdown of the operating system.
5. Set the DC power switch on the operator panel to off. If necessary, reference the system Owner's Guide for location of switches and and cords.
6. Shut off AC power by setting the AC On/Off switch on each power supply to off (if applicable to your system).
7. Unplug the AC power cord for each power supply.

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*****Module Replacements*****

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8. Remove each B2040-AA module from the system.
9. Install a B2040-AB module for each -AA module removed.
10. Power on the system and peripherals.

Make sure the Halt button is depressed to the "in" position before you power on. Power on.

After power on, the P00>>> console firmware prompt is displayed.

11. Verify the installation.

Enter the SHOW FRU command and verify that all CPU's installed in the system appear in the Option column of the display. Verify that all CPU module part numbers appear as B2040-AB. Examine the Events Logged to verify that no errors were logged.

12. Press the Halt button to the "OUT" position.

13. Press the Reset button to bring up the operating system.

xx. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO XXXXX-X001

- o Digital field engineers should report this FCO activity on their LARS from per the attached instructions.
- o AWSP engineers should submit their normal claim form for reimbursement.

FIELD APPLICATION DOCUMENT (FA), Continuation Page

FCO KN470-AA-0001

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LARS

CATEGORY	F	USA	APA	EUROPE
Activity - Coverage Code				
(a)Contract		W	U	K
Warranty		W	U	W
Inhouse				A
Invoiced per Call				F
(b)IN-DEC Contract		K	U	
Non Contract/Non Warranty		F	F	
(c)RTD/Off-site Agreement		F	U	
Mkt/FS/Seg Code				
Code for W,K,		111	111	
Code for F		031	031	
BBC Code for K,W,A				111
BBC Code for F				031
DEC Option		KN470-AA	KN470-AA	KN470-AA

