DIGITAL	FCO	CATEGORY	PAGE				
		[0]	1 OF 4				
FIELD CHANGE (DRDER	NUMBER: KN15-BA-00	NUMBER: KN15-BA-0002				
		only be used on DEC 3000 AXP wing criteria:	 Model 400/				
1. The system	is exhibiting the symp	ctoms described below.					
=	module (54-21149-02) i H10 for F etch modules	s below revision level H09 fo	or D etch				
3. Any options	that utilize the TURE	Ochannel DMA reads feature, s	such as:				
TNVRAM DEFTA	JV2 PMAG KZTSA-AA PMAG	G-D, PMAGB-EA B-DA PMAGB-FA					
	option list is not allons may also contribute	inclusive. Some 3rd party TU to this problem.	IRBOchannel				
reads and con hanging foreve hang. All this	flicted I/O writes, and er. The system will req	nteraction between TURBOchanr l results in the possibility of quire a hard reset to clear the software, since conflicts on to	of a system nis system				
	stem module - which wil	replace the system module (54 .l be, at a minimum, revision	· · · · · · · · · · · · · · · · · · ·				
=		at revision level H09 for D et omplies with the 3 criteria li	!				
PRE/CO-REQUIS:	ITE FCO: None		MTTI HRS 1.0				
TOOL/TEST EQU	IPMENT: Power-up self-t	est is all that is needed.					
	FCO PAR	TS INFORMATION					
FCO KIT NO.	DESCRIPTION OF	CONTENTS					
EQ-01678-01	1 54-21149-02 System Module (Rev H*)						
FA-05014-01	-01 1 FCO Field Applicability Document (FA)						

FCO CHARGING INFORMATION (See Last Page)							
APPROVALS							
	ENG. BUSINESS MGR.	DSHQ LOGISTICS Scott Almeida	DS PRODUCT SAFETY Robert Brister				
 IDC PUBLISHING Brenda Rogers	_ PARTS AVAILABILITY December 1993		FCO RELEASE DATE December 1, 1993				

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INSTRUCTIONS ON HOW TO INSTALL THE KN15-BA-0002 FCO

- 1. Refer to Chapter 7 of the DEC 3000 AXP Model 400/400S Service Information (EK-SNDPR-SV). Chapter 7 has more detail on how to remove and replace the parts required for this FCO.
 - 2. Have the customer shutdown the system software.
- 3. Power off the system.
- 4. Loosen the rear captive screw and slide the cover towards the front of the system and lift it off.
- 5. Mark and remove all external cables from rear of system.

- 6. Disconnect the short SCSI cable from connector, loosen the two captive screws mounted on the drive shelf front face plate.
- 7. Loosen the two knurled screws located near the rear of the shelf.
- 8. Tilt the rear of the drive shelf forward to allow access to the power connector. Disconnect the power connector.
- 9. Tilt the drive shelf completely forward and lift the shelf tabs from the chassis slots.



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- 10. Remove the I/O module from the system. You can now see the system module revision.
- 11. The system module revision is located on a label that is on the left rear side of the system module. Check the revision.

If it is below H09 for D etch, or H10 for F etch, continue with step 12 and install this FCO.

If the system module is at H09 for D etch, or H10 for F etch, or higher, DO NOT INSTALL THIS FCO.

- 12. Remove the four Memory Mother Boards (MMBs).
- 13. Remove any TURBOchannel options installed in the system.
 - 14. Disconnect the power supply connectors from the system module.
 - 15. Remove the six screws that attach the system module to the base

of the workstation chassis.

- 16. Lift the system module from the front and slide it forward and out of the system.
 - 17. Install the new system module from the FCO kit.
 - 18. Reverse steps 16 through 3 to restore the system.
 - 19. Reboot the operating system.
- 20. Report this FCO activity on the LARS form in the "Fail Area/ Module/FCO/Comments" column as follows: FCO KN15-BA-0002

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	LARS		
	USA	APA	EUROPE
Activity -			
(a)Contract	W	U	K
Warranty	W	U	W
(b)IN-DEC Contract	K	U	A
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-site Agreement	F	U	F
Hardware Segment Code	111	111	111
Product Line	031		031
DEC Option	A3400	A3400	A3400
Option ID	X	N/A	N/A
Type of Call	M	M	M
Action Taken	D	D	I/V
Fail Area-Module-FCO-Comments	KN15-BA-0002	KN15-BA-0002	KN15-BA-0002

- (a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site)
 Agreements; * Note material (only) free of charge for all customers.
- (b) Applies to IN-DEC Area Only
- (c) RTD=Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "F".

FCO CHARGING INFORMATION								
WARRANTY/CONTRACT NONWARRANTY/NONCONTRACT							TRACT	
 ON-SI	ON-SITE OFF-SITE		 ON-SI	 ГЕ	OFF-SITE		MATERIAL ONLY	
 TRAVEL/	EQ		EQ	 TRAVEL/	EQ		EQ	
INSTALL 	KIT	INSTALL	KIT 	INSTALL	KIT 	INSTALL 	KIT 	PKG,SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	CUST	CUST	CUST	CUST	CUST

\\FCO_DOCS KN15-BA