\_ FCO KN430-0005, Prev rev FRU (B2101-AA) may cause parity errors.

DIGITAL	FCO	CATEG [0]	ORY PAGE 1 OF 4				
   FIELD CHANGE C	DRDER	NUMBER: KN	430-0005				
   APPLICABILITY:   Model 610 whic	This "O" coded FCO sho h contain part rev belo	ould be installed in ow H1 or H2 for FRU B	all DEC4000 2101-AA.				
   This FCO incor   	porates ECO No. B2101-T	W0001.					
PROBLEM & SYMP out, Parity Er O/S error logg also show othe data parity er and "show erro Errors and NOA	PTOM: Previous revision Frors, and NOACK problem ger will show "Read Par er errors like: Mailbox Frors. At console level, or cpu0   grep NOACK". N ACK problems.	FRU could experience a. This will result is rity Errors". O/S err timeout, no acknowled type "show error count Ion zero error count	mail box time n system crash. or logger could dge, and read pu0   grep RD_PAR" will confirm Parity   				
SOLUTION: Inst	all B2101-AA part revis	sion H1 or H2.					
QUICK CHECK: I C HW rev	ook for B2101-AA part r or at console prompt typ under I/O option.	revision H1 or H2 in be "show fru" and ret	I/O backplane slot urn. Check the				
PRE/COREQUISIT	TE FCO:   MFIT	HRS   0					
TOOL/TEST EQUI	PMENT: Field service ma	intenance tool kit.					
   	FCO PART	'S INFORMATION					
FCO KIT NO.DESCRIPTION OF CONTENTSEQ KIT VARIAT APPLICABILITEQ-01682-011 B2101-AA I/O Module, Part Rev H1 or H2APPLICABILIT APPLication (FA) DocumentFA-05019-011 Field Application (FA) Document							
	FCO CHARGING INFORMA	TION (See Last Page)					
	APPRO	VALS					
  TECH. ENGINEER  Bharat S. Shah 	ENG. BUSINESS MGR.  Mike Collins	DS LOGISTICS  Barry Weinstein	DS PRODUCT SAFETY  Robert Brister 				
	PARTS AVAILABILITY	FCO REVISION	FCO RELEASE DATE				

FIELD APPLICATION DOCUMENT (FA), Continuation Page

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FCO KN430-0005

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Field Installation Synopsis

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- 1. Shut down the operating system: Have the customer notify all affected system users and shutdown the operating system.
- 2. Halt the system: Once the operating system has been shutdown, press the Halt button on the operator control panel (OCP) and leave the HALT button in halt position.

3. Set up 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.d. Attach the wrist strap to either wrist and the alligator clipto a convenient portion of the mat.

- 4. Note down the environmental variables using "show" command on the worksheet that is attached to this FCO.
- 5. Note down console version and ethernet address by executing command "show config".
- 6. Power down the system: Turn off the DC ON/OFF switch on the OCP, turn off the AC circuit breaker at the rear of the system, and finally pull out the power cord from the electrical outlet.
- 7. Open the back cover.
- 8. Locate I/O module. Undo two captive screws at the top and bottom of the module which secure the I/O module.
- 9. Disconnect Console cable, Modem cable(if present), Ethernet cable (if present) from the I/O module handle.

10 Unseat I/O module and remove it from the backplane and place it on the anti-static work mat.

FIELD APPLICATION DOCUMENT (FA), Continuation Page

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											PAGE	3 OF	4	
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- 11 Remove the 2 socketed Ethernet Station ID ROMs, labeled "Enet Adrs" from the removed I/O board.
- 12 Remove the new module from EQ-01682-01 and perform step 11.
- 13 Install ROMS removed from the old module onto the new module.
- 14 Install ROMS removed from the new module onto the old module.
- 15 Install new module into its backplane slot. Secure the module with the two screws.
- 16 Connect Console cable, Modem cable(if present), Ethernet cable(if present) to new I/O module handle.
- 17 Plug the power cord into the power source. Turn on the AC circuit breaker at the rear and then turn the DC ON/OFF switch on the OCP to "ON" position
- 18 Check the console firmware revision and ethernet address by executing command "show conf" Compare this revision with removed I/O module console firmware revision. If it is below removed board revision then update the firmware using the CD ROM shipped to customer. Compare ethernet address, if ethernet address is different then rectify this problem by changing Ethernet ROMS from the removed board until address matches.
- 19 Execute "show fru" command and make sure the new I/O module and its appropriate revision reported in the table.
- 20 System verification test: Observe console terminal for correct power up sequence. If the power up sequence is correct and no errors are indicated then go to next step. If the power up self test indicate an error refer to the "DEC 4000 AXP Model 600 Series Service Guide", P/N EK-KN430-SV, for troubleshooting information.
- 21 Run the whole system diagnostic by executing command "test" at the console prompt.
- 22 Set the environmental variables to their original value using command : set[-default][-integer]-[string]envar value

Examples:

>>> set bootdef\_dev eaz0
>>> set boot\_osflags 0,1

23 Reboot the System: Place system in "RUN" mode(Halt switch "OUT") and type "BOOT" at the console prompt. The system will initiate the boot sequence from the default boot device.

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24 Clean-Up: Tag the FRU as indicated below :

Part # B2101-AA Revision Insert Part Revision from FRU here Reason for return FCO Comments FCO #

- 25 Package the FRU into the container from the kit and return it through normal logistics channels.
- 26 Report this FCO activity on the LARS form in the "Fail Area/ Module/FCO/Comments" column as follows: FCO KN430-0005 (See the following LARS example).

## LARS

CATEGORY O U	JSA (	GIA	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	031
DEC Option	B2101	B2101	B2101
Option ID	Х	N/A	N/A
Type of Call	Μ	М	М
Action Taken	D	D	I/V
Fail Area-Module-FCO-Comments	KN430-0005	KN430-0005	KN430-0005
Material Used	EQ-01682-01	EQ-01682-01	EQ-01682-01

(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 "O".

   	FCO CHARGING INFORMATION											
WARRANTY/CONTRACT												
ON-SITE   OFF-SITE				ON-SITE   OFF-SITE   MATE				MATERIAL (	ONLY			
TRAVEL/	EQ		EQ		TRAVEL/	EQ		EQ	ORDER-ADMIN,H	ANDLI	NG	
INSTALL  	KIT	INSTALL	KIT		INSTALL	KIT 	INSTALL	KIT	PKG,SHIPPING   	& EQ	KIT	
DEC	DEC	DEC	DEC		CUST	CUST	CUST	CUST	CUST			

## WORKSHEET

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ENVIRONMENT VARIABLE FACTORY DEFAULT CUSTOMER DEFINED VALUE

"auto\_action", "BOOT"

- "bootdef\_dev" "NULL" FIS process defines device with OS.
- "boot\_file" "NULL"

"boot\_osflags" "NULL"

"boot\_reset" "OFF"

"dump\_dev" "ON"

"enable\_audit" "ON"

"char\_set" "0"

"language" "36" (English)

"password" "NULL"

```
"interleave"
                            "default"
"cpu_enabled" "0xFF" All processors
  present enabled.
"screen_mode" "OFF" FIS process
  sets to ON.
"def_term" "local"
"tta_merge" "0"
"tta*_baud" "9600"
                           "2" for tta2
"tta*_halts"
 "0" for ttal
ENVIRONMENT VARIABLE FACTORY DEFAULT CUSTOMER DEFINED VALUE
"ncr*_setup" "AUTO 7"
"scsnode" "NULL"
"scssystemid" "65534"
"scssystemidh" "0"
"enable_servers" "OFF"
"fis name" "NULL"
"sys_serial_num" "NULL" FIS process
  writes System Serial #!
"ez*0 def inetaddr" "NULL"
"ez*0_def_ginetaddr" "NULL"
"ez*0_def_sinetaddr"
                         "NULL"
```

"ez\*0\_def\_inetfile" "NULL"

"ez\*0\_inet\_init" "BOOTP"

"ez\*0\_bootp\_server" "NULL"

"ez\*0\_bootp\_file" "NULL"

"ez\*0\_protocols" "MOP"

"ez\*0\_bootp\_tries" "3"

"ez\*0\_arp\_tries" "3"

"ez\*0\_tftp\_tries" "3"

"ez\*0\_rm\_boot" "0 or disable"

"ez\*0\_rm\_boot\_passwd" "00\_00000000\_00000000."

"tt\_allow\_login" "1"