

DIGITAL	FCO	CATEGORY [0]	PAGE 1 OF 4
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FIELD CHANGE ORDER	NUMBER:A2150-0001, A2160-0001
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APPLICABILITY: This "0" coded FCO should be installed in the AlphaServer 2100 containing B2110-AA, part rev H03 or lower, only where the following symptoms (as described under "Problem and Symptom") exist.

This FCO incorporates ECO No. B2110-TWO002 and B2110-TWO003.

PROBLEM & SYMPTOM: While installing AlphaServer 2100 or Configuring EISA/ISA devices in AlphaServer 2100 Our Customer or Engineers may experience following problems;

- Dropped Receive packets with old DELNI in Local Mode - this is a Rev H bug only that is now fixed. Caused Tulip to drop receive packets,
- AUI Receive Threshold - caused receive packets to be lost if AUI cable length was over approx 30 meters,
- Use of DELNI or similar devices requires a 10m reduction in usable cable length,
- Failure to run the ECU,
- No timer interrupts reported under the console,
- Corruption of data in the NVRAM which will result in loss of environment variables and failure to run the ECU,
- Addition of new EISA/ISA options to systems may cause the system to hang during the power up script,
- While O/S running, " SHOW TIME" and "SET TIME" command may give wrong results,

These problem are due to bugs in Standard I/O board (B2110-AA or 54-23146-01) with CS Revision at or below "H03".

SOLUTION: Install B2110-AA part revision "J02" or Higher.

QUICK CHECK: Look for B2110-AA part revision "J02" or higher in backplane slot 0 or at the console prompt type "show FRU" and return. Check the HW rev under IO ( B2110-AA ) option. the HW rev under IO ( B2110-AA ) option.

PRE/COREQUISITE FCO:	N/A	MFIT HRS 2.0
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TOOL/TEST EQUIPMENT: Field service maintenance tool kit.

#### FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS	EQ KIT VARIATION APPLICABILITY
EQ-01703-01	B2110-AA Part Rev "J02" or higher I/O board	
FA-05040-01	FCO Document	

FCO CHARGING INFORMATION (See Last Page)

TECH. ENGINEER Bharat S. Shah	ENG. BUSINESS MGR. Jack Zemcik	DS LOGISTICS Barry Weinstein	DS PRODUCT SAFETY Robert Brister
MICROMEDIA	PARTS AVAILABILITY	FCO REVISION B	FCO RELEASE DATE

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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 clip to a convenient portion of the mat.

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*****
*   C A U T I O N   *
*           *
* If using a module in an ESD box, insure wrist strap is *
* connected to the box and the box is connected to chassis *
* of the device being upgraded. *
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4. Note down console version and ethernet address by executing command "show config".
5. Power down the system: Turn off the DC ON/OFF switch on the OCP. For power supplies with AC ON/OFF switches, set switches to OFF and pull out the power cord from the electrical outlet.
6. Please follow the procedure as described in "Digital 2100 Server Model 500MP/500MP-R/600MP Series Service Guide" Part # EK-KN450-SV, for removal /replacement of side doors, location of I/O board, removing/replacing

I/O board, removal/replacement of Ethernet ID ROM and removal/replacement of NVRAM chip located on I/O board.

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7. Plug the power cord into the power source. Turn on the AC switch on the power supply to "ON" and finally set the DC ON/OFF switch on the OCP to "ON" position.
8. Check the console firmware revision and ethernet address by executing command "show config". 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, rectify this problem by changing Ethernet ROMs from the removed board until address matches.
9. Execute "show fru" command and make sure the new I/O module and its appropriate revision is reported in the table.
10. Perform 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 indicates an error refer to the "Digital 2100 Server Model 500MP/500MP-R/600MP Series Service Guide" Part # EK-KN450-SV, for troubleshooting information.
11. Run the whole system diagnostic by executing command "test" at the console prompt.
12. Run the "ECU" utility to make sure it is working.
13. 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.
14. Complete Repair Tag

Part #	EQ-01703-01
Revision	Insert Part Revision from FRU here
Reason for return	FCO
Comments	FCO # A2150-0001 or A2160-0001

15. Package the FRU into the container from the kit and return it through normal logistics channels.
16. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO XXXXX-X001

(See the following LARS example).

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LARS SAMPLE

	USA	APA	EUROPE
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	
Hardware Segment Code	111	111	
Product Line	031	031	
BBC code for K W A			111
BBC code for F			031
DEC Option	B2110-AA 54-23146-01	B2110-AA 54-23146-01	B2110-AA 54-23146-01
Option ID	N/A	N/A	N/A
Type of Call	M	M	
REQUEST TYPE			I
Action Taken	D	D	Y
QUALITY CODES			M,L,J,R,X,A,Y,Z
Fail Area-Module	FCO# A2150-0001	A2150-0001	A2150-0001
FCO-Comments	# A2160-0001	A2160-0001	A2160-0001
Material Used	EQ-01703-01	EQ-01703-01	EQ-01703-01

(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 "F".

FCO CHARGING INFORMATION

WARRANTY/CONTRACT

NONWARRANTY/NONCONTRACT

ON-SITE

OFF-SITE

ON-SITE

OFF-SITE

MATERIAL ONLY

TRAVEL/ EQ

EQ

TRAVEL/ EQ

EQ

ORDER-ADMIN, HANDLING

INSTALL	KIT	INSTALL	KIT	INSTALL	KIT	INSTALL	KIT	PKG, SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	CUS	CUS	CUS	CUS	CUS