

DIGITAL	FCO	CATEGORY [F]	PAGE 1 OF 5
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FIELD CHANGE ORDER	NUMBER: KA46-F001
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APPLICABILITY: This FCO is for the VAXstation 4000 model 60.

PROBLEM & SYMPTOM: The following bugs were found in the ROM code in the VAXstation 4000 Model 60 ROM version V1.1.

- o HALT VALUE RETURNS TO DEFAULT SETTINGS AFTER A POWER CYCLE (SYSTEM WILL NOT AUTOMATICALLY REBOOT IF HALT BUTTON HAS BEEN USED)
- o TABLET AND STYLUS DO NOT WORK
- o SCSI DEVICES NOT SEEN AFTER SELF-TEST FAILURE (SYSTEM WILL HAVE TO BE POWERED OFF AND ON TO SEE THE FIXED DRIVE)
- o TSZ07 SELF-TEST FAILURE AND POSSIBLE UNDETECTED DATA LOSS.
- o KEYBOARD SELECTION NOT USED ON POWER-UP (ONLY THE US KEYBOARD SELECTION WORKS)
- o TURBOCHANNEL COMPATIBILITY (NO TURBOCHANNEL OPTIONS WILL WORK)

SOLUTION: Replace the version V1.1 base system ROMs on the VAXstation 4000 Model 60 with V1.2 base system ROMs.

QUICK CHECK: With the system in console mode, you can type "SHO CONF". The top line on the VAXstation 4000 model 60 should be (KA46-A V1.2-343-V4.0). Look for V1.2, if it is at a lower revision this FCO should be installed.

PRE/CO-REQUISITE FCO: N/A	MTTI HRS 0.5 Hours
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TOOL/TEST EQUIPMENT: Pocket flat head screwdriver

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS	EQ KIT VARIATION APPLICABILITY
EQ-01651-01	23-206E8-00, 23-207E8-00 ROMs Model 60	NONE
FA-04986-01	FA Document	

FCO CHARGING INFORMATION

WARRANTY/CONTRACT

NONWARRANTY/NONCONTRACT

ON-SITE

OFF-SITE

ON-SITE

OFF-SITE

MATERIAL ONLY

TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	ORDER-ADMIN, HANDLING PKG, SHIPPING & EQ KIT
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DEC	DEC	DEC	DEC	CUST	CUST	CUST	CUST	DEC
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APPROVALS

SPE Bob Sherman	DSHQ LOGISTICS Scott Almeida	DS PRODUCT SAFETY Robert Brister
SPE MANAGER	This document is published on multiple media including Customer Services and MDS Microfiche Libraries. It is also available electronically via the SSD CD-ROM and TIMA.	FCO RELEASE DATE August 1992
MICROMEDIA Anne James Smith		FCO REVISION A
POPULATION 10,496		PARTS AVAILABILITY August 1992

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*****
*      INSTRUCTIONS ON HOW TO REPLACE THE BASE SYSTEM      *
*      ROMS ON THE VAXSTATION 4000 MODEL 60                *
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*****
* CAUTION *
*****

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WEAR A STATIC WRIST STRAP AND USE A STATIC MAT.

1. REMOVING THE BASE SYSTEM ROMS IN THE VAXSTATION 4000 MODEL 60

- o Have the customer run shutdown on the system.
- o After the system has been shutdown, turn off the power to the system and disconnect the power cord from the wall outlet. If the monitor is on top of the system, disconnect it from the system and remove it. If you have a dual monitor module, disconnect both monitor cables.
- o Remove the system cover by gently pulling out on the tabs on the right side of the cover, and lift the cover up and away.
- o Next remove the optional graphics module (if applicable) by lifting the module up from the front side of the system.

You should now be able to access the base system ROMs (See page 4 of 4).

- o Using a small pocket flat head screwdriver, gently insert the screwdriver between the ROM and the ROM socket on the right side

of the ROM on the right, and pry the ROM up until it is free of the system module.

- o Repeat this same procedure for the ROM on the left.

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2. INSTALLING THE NEW BASE SYSTEM ROMS IN THE VAXSTATION 4000 MODEL 60

- o Install ROM 23-207E8-00 in the left ROM socket with the notch facing the left, by inserting the ROM with the pins on the back side first, then inserting the front pins and push down.

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* CAUTION *
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BE CAREFUL NOT TO BEND THE PINS ON THE NEW ROMS.

- o Install ROM 23-206E8-00 in the right socket with the notch facing the left, by inserting the ROM with the pins on the back side first, then inserting the front pins and push down.
- o Re-install the optional graphics module (if applicable), by inserting the back side through the hole in the back of the system box, then by pushing the front of the graphics module down into the connector on the system module.
- o Connect the monitor cable or cables, and the power cable.
- o Replace the system cover by aligning the teeth of the cover with the teeth on the side of the system enclosure and lower the cover until it catches and clicks into place.
- o Power-up the system and wait for the power-up diagnostics to finish.
- o Type "SHOW CONFIG". The top line should be:(KA46-A V1.2-343-V4.0). If the power-up diagnostics pass and the top line is correct, the FCO is complete.

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* NOTE *
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For more information refer to the VAXstation 4000 Model 60 Service Information Manual (EK-V466B-SV-001).

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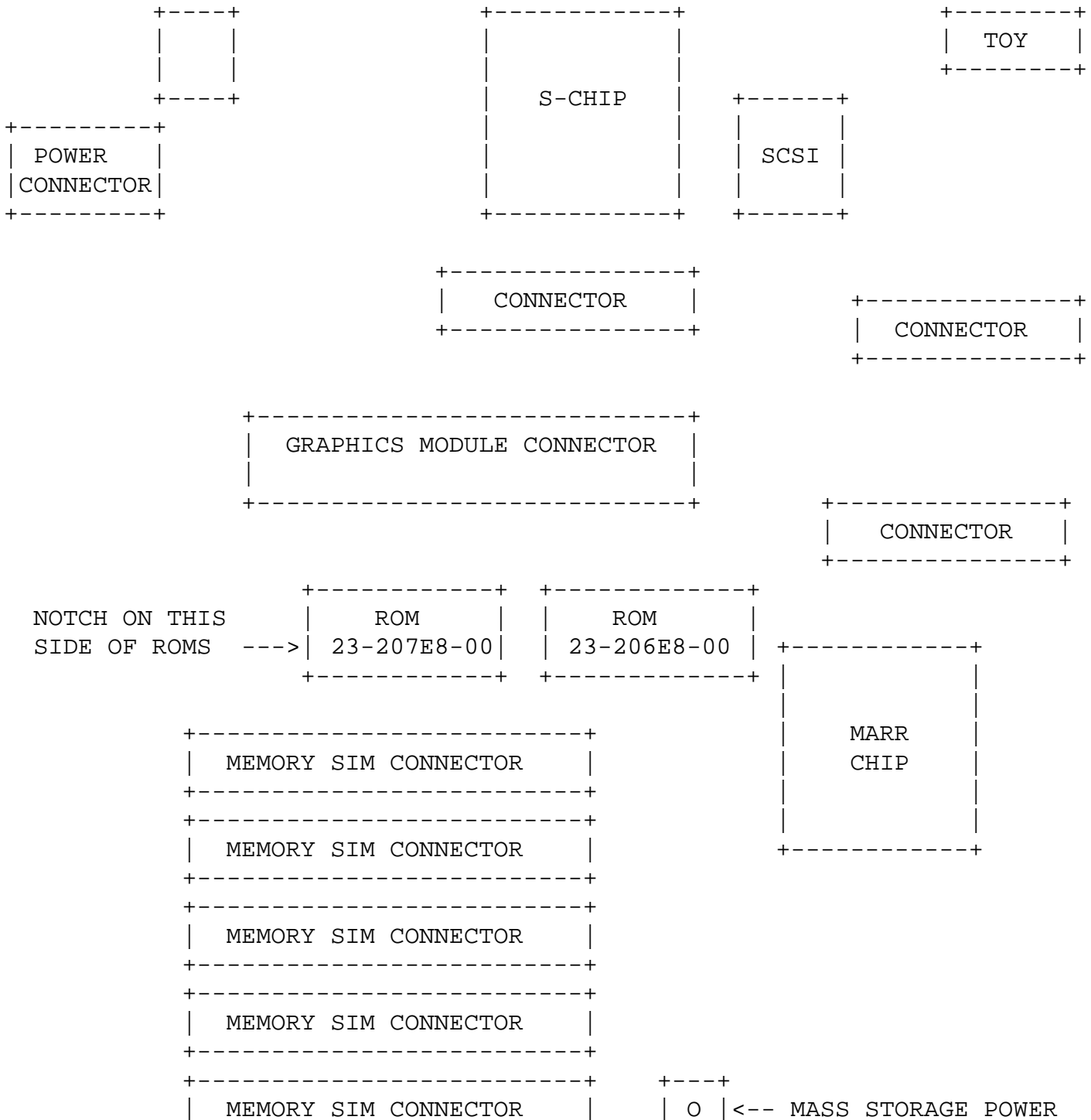
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54-20346-01 KA46 CPU

BACK SIDE

EXTERNAL CONNECTORS



P
O
W
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S
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Y

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+-----+ | O | <-- CONNNECTOR
+-----+ | O | +-----+
| MEMORY SIM CONNNECTOR | | O | | CONNNECTOR |
+-----+ +----+ +-----+

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FRONT OF SYSTEM

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LARS DATA

CATEGORY F	USA	GIA	EUROPE
Activity Codes:			
(a)Contract and Warranty	W	U	Y
(b)IN-DEC Contract/Warranty	K		
Hardware Segment Code	111	111	
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-Ste Agreement	F		
Product Line	01	01	
DEC Option	KA46	KA46	KA46
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO Comments	KA46-F001	KA46-F001	KA46-F001
Material Used	EQ-01651-01	EQ-01651-01	EQ-01651-01

- (a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.
- (b) Applies to INDEC AREA ONLY - Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.
- (c) RTD=Return to Digital or Off-Site Agreements; if Field Engineer On-Site, use Activity Code "F".

\\FCO_DOCS
 \\EQ-01651
 \\KA46
 \\VAXstation 4000
 \\FA-04986