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FCO

Level of
Urgency
[F]

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of 4

FIELD CHANGE ORDER

Number RQDX3-F002-DAS

Applicability

All MicroVAX, VAXstation II and MicroPDP11 which utilize the RQDX3 disk controller and are experiencing the symptoms described below.

This FCO implements M7555-CTS006.

Problem/Symptoms

Disk Formatting errors 9-10 minutes into format operation
Disk Formatting errors on disks containing bad blocks in RBN area
Data compare errors when COPYing files with the /WRITE_CHECK switch.
(Continued on Page 2)

Quick Check

The M7555 module must be at revision F3 or higher.

Compatibility/Prerequisite FCO
RQDX3-R001

Est. Time to Install
N/A

Special Tools or Test Equipment

Velostat Kit (29-26246-00) Anti-static kit

FCO Parts Information

Order by
FCO Kit #

Contents

	Quantity	Part Number	Description
EQ-01532-02	1	M7555-00	Module
FA-04834-02	1		Installation document

EQ Kit Variation/System-Option Applic: N/A

Approvals

CSSE Engineer
L.Poulin

F.S. Product Safety
Hank Aaron

F.S. Logistics
L.T. Cappello

Responsible CSSE Mgr
E. Toledo

F.S. Microfiche Libraries
EP-FSVDC-LB VAX

Affected Population
1,375

ESD&P Micropublishing
D. MacDonald

VAXnotes

Initial Kitting
1,375

*
* AC POWER MUST BE REMOVED FROM THE *
* SYSTEM BEFORE PROCEEDING. *
*

2. Remove the power cord from the power receptacle after powering down.
3. Refer to the appropriate system maintenance manual and gain access to the module area.

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* NOTE *
*
* THE MODULES IN THIS SYSTEM CONTAIN ELECTROSTATIC *
* DISCHARGE SENSITIVE DEVICES. THE USE OF THE *
* VELOSTAT KIT IS ESSENTIAL TO PREVENT DAMAGE *
* WHICH MAY NOT BE NOTICED IMMEDIATELY. *
* *

4. Set up a VELOSTAT kit in the following manner:
 - a. Unfold the VELOSTAT mat to full size.
 - b. Attach the ground cord to the snap fastener on the VELOSTAT mat.
 - c. Attach the alligator clip end of the ground cord to a good (bare metal) ground on the system.
 - d. Attach the wrist strap to either wrist and the alligator clip to a convenient portion of the mat.
5. Locate the M7555 module and slide partially out of the backplane.
6. Disconnect the data cable from the connector at the top of the module.
7. Remove the module from the backplane and place on the velostat worksheet.

8. Place the new module from kit partially in its backplane slot.
9. Connect the cable at the M7555 end.
10. Seat the M7555 firmly into its backplane slot.
11. Power up the system and observe if the self test led extinguishes after a moment. This indicates the module has passed its self test.
12. Power down and reassemble the system, reversing the order it was disassembled.
13. It is not necessary to reformat the disk drives. (Information on Diagnostic formatters is provided on page 4 of this FCO.)

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FCO RQDX3-F002

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XXDP FORMATTING

ZRQCH0.BIC or BIN should be used with this new firmware. It is available in Release 137 or later of XXDP. Earlier versions of the Formatter may or may not work. If the drive has defects in the RBN area, it will still fail with a Command Timeout. If you cannot get ZRQCH0 and ZRQCG0 is available, you may use it, but it will require the following patch:

Patch for ZRQCG0.BI?

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Under UPDAT, load ZRQCG0.BI? and MOD  
location 77500 from 74 to 264
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MDM FORMATTING

The latest Formatter should be used with the Version 4 firmware. It is available on releases 124 or later of MDM.

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