DIGITAL FCO		LEVEL OF URGENCY PAGE 1 OF 4 [R]

FIELD CHANGE ORDER   NUMBER: TQK70-R001

APPLIC: This FCO is intended for all TQK70 controllers. Field Service should schedule themselves to install more than one site per trip.

PROB/SYMPT: All TQK70 controller's, REV A and REV B will either fail to boot standalone backup or take excessive time to boot standalone backup respectively, using some copies of VMS Version V5.0. The excessive time can be greater than 60 minutes.

QCK CK: EPROM part number Loc. E27 23-410E6-00 Loc. E28 23-411E6-00 Module Revision label == CX

COMPATIB/PREREQ:		EST INSTALL TIME
N/A		1 Hours

TOOLS/TEST EQUIP: No special tools are required.

FCO PARTS INFORMATION

ORDER BY FCO KIT #	CONTENTS	
EQ-01528-01	QUANTITY PART NUMBER	DESCRIPTION
	1 23-410E6-00	32Kx8 UV EPROM
	1 23-411E6-00	32Kx8 UV EPROM
	1 FA-04828-01	FA Document, instructions
	1 36-30204-01	REVISION LABEL MARKER

EQ KIT VARIATION/SYS-OPT APPLICABILITY: N/A

APPROVALS

CSSE ENGINEER Kenneth L. Bassett	F.S. PRODUCT SAFETY Steve Caccia	F.S. LOGISTICS Larry Woodcome
RESPON. CSSE MANAGER Gerd Wegmann	F.S. MICROFICHE LIBS EP-FSNVX-LB VAX	AFFECTED POPULATION 12,000
MICROMEDIA PUBLISHING Ray Leblanc	VAXnotes STARS	INITIAL KITTING 12,000
REVISION		HARDCOPY PUBLICATION

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|  A                          |              | 12,000                        |
|_____|              |_____|
| FCO RELEASE DATE            |              | PARTS AVAILABILITY            |
| 3-OCT-88                    |              | October 1988                 |
|_____|              |_____|
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        Please be advised to follow the procedures outlined below as you
will be dealing with a unit that can be damaged by electrostatic discharge.
The use of the Velostat kit is essential when handling the TQK70 and the EPROMS
provided in the kit.
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        1. Perform all system/s shutdown procedures. Refer to the appropriate
           systems manuals applicable to the system involved.

        2. Power down the system and remove the covers and panels required to
           gain access to the TQK70, (M7559) module.

        3. Remove the interface cable from the M7559 module, and then remove
           the M7559 module itself from the system box.

         3A. Remember to use the Velostat Kit which is essential when handling
             the TQK70 and the EPROMS.

        4. Using the Figure on the attached document for locations and as a
           reference, replace the following components with the supplied parts.

                A. Remove the chip at location E27, replace it with
                   P/N 23-410E6-00, this is a 32Kx8 UV EPROM.

                B. Exactly as above, remove the chip at location E28,
                   and replace it with P/N 23-411E6-00, this chip is
                   also a 32Kx8 UV EPROM.

     *******   BE SURE THAT THE CHIP's ORIENTATION IN THE SOCKET, ON THE
     *******   M7559 CONTROLLER BOARD IS CORRECT!
        5. After you have installed the new EPROMS, update the module's
           revision with the supplied labels. Place the module's new
           revision label on the back-side of the board's handle.
           NOTE REVISION Ax will now be Cx
           NOTE REVISION Bx will now be Cx, all TQK70's will now be Cx.
           SEE ATTACHED FIGURE FOR PLACEMENT OF REVISION MARKER, EPROMS.

        6. Replace the module back into its original slot in the backplane,
           and reconnect the cable.

        7. Power-up the system and observe that the Module's (M7559),

LED's are operating correctly regarding power-up routines.

   7A. Power-up LED indicators LED1 and LED2.
        a. LED 1, used to signal a Field Engineer that the
           microdiagnostics have passed. Upon power-up, this
           bit is reset, which lights the LED. After power-up
           diagnostics have passed, the LED is turned off.

        B. LED 2, used to signal the Field Engineer that the four
           step U/Q port protocol initialization has passed. The
           LED is turned off by asserting this line after the
           initialization has completed.

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|d|i|g|i|t|a|l|                   |        PAGE 3 OF 4
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_____|_____
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       Note: The Module Revision can be found on the back of the module
       handle. Both Revisions Ax and Bx will now become Revision Cx.

   Complete your LARS form as per the table below.

   Update the Site Management Guide to reflect this FCO activity.

                        LABOR ACTIVITY REPORTING

It is IMPERATIVE that this table be followed when reporting your labor.

	USA	GIA	EUROPE
Activity -			
Contract and Warranty	W	U	Y
Non Contract/Non Warranty	F	U	F
DEC Option	TQK70	TQK70	TQK70
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module FCO	FCO TQK70-R001	FCO-TQK70-R001	FCO-TQK70-R001
Material Used	EQ-01528-01	EQ-01528-01	EQ-01528-01

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Figure 1

M7559 (TQK70) Side 1 View

\^ TQK70
\\TQK70
\\BASSETT
\\1988
\\OCT
\\FCO_DOCS