```
 _ _ _ _ _ _ _                   Level of Urgency          Page_1_
| | | | | | | | |                      +--+                  Of_3_
| |d|i|g|i|t|a|l|        FCO           | F|
| |_|_|_|_|_|_|_|                      +--+
```

FIELD CHANGE ORDER   Number: 63XMX-F001-DAS

Applicability: This FCO should only be installed on 6000-3XX (63XX) systems that use the TK50 for making tapes that will be read on another system type (i.e., MicroVAX, VX2000, 11/785, etc.). This FCO changes the revision of the T1034 module to K3/4/5. It does not change the rev. of the 6000-3XX systems.

Problem/Symptom: An incompatibility situation can occur with TK50 tapes. The problem is caused by the TBK50 controller (T1034) using a different soft error (i.e., bad spot recovery) routine than used by TQK50, TUK50, TZK50, TQK70 and TBK70 (T1035) controllers.

Quick Check: The revision of the T1034 should be K3, K4 or K5 or check in location E81 for P/N 23-358E5-00.

Compatibility/Prerequisite FCO:	Est. Time to Install:
N/A	1 Hour

Special Tools or Test Equipment:
        See page 2.

FCO   Parts   Information

Order by FCO Kit#:	Quantity:	Part Number:	Description:
EQ-01552-02	1	T1034 Module	DEBNA (Rev. K3, K4 or K5)
FA-04857-04	1	FCO Document	

EQ Kit Variation System/Option Applic: N/A

Approvals

CSSE Engineer Ken Jackson	F.S. Product Safety Robert Brister	F.S. Logistics Bill Stanley
CSSE Manager Jan Sicard	F.S. Microfiche Libraries EP-FSNVX-LB VAX	Affected Population: 400
MicroMedia Pub. Diane MacDonald	VAXnotes STARS	Initial Kitting: 400

```
+--------------------------+          +----------------------------------+
| Revision:                |          | Hardcopy Publication:            |
|    A                     |          | 450                              |
|_____|          |_____|
| FCO Release Date         |          | Parts Availability:              |
| October 23, 1989         |          | October 1989                     |
+------------------------------------------------------------------------+


    _ _ _ _ _ _ _                      |    FCO    63XMX-F001
   | | | | | | | |                     |
   |d|i|g|i|t|a|l|                     |    PAGE   2  OF  3
   |_|_|_|_|_|_|_|                     |
```

SPECIAL TOOLS: Continued from page 1

Blank TK50 Tape
Field Service Tool Kit.
VELOSTAT Electrostatic Field Service Kit (P/N 29-26246-00).

I. FIELD INSTALLATION AND TEST PROCEDURE FOR 63XX Systems
   ===

```
**********************************************************************
*                         N O T E                                    *
*                                                                    *
*  Prior to installing the FCO, all TK50 tapes that have been        *
*  created by the VAX 6000 series system should be screened by       *
*  attempting to read them on a non-TBK50 drive (e.g., TQK50,        *
*  TZK50, etc.).  Tapes with soft errors will not be readable on     *
*  the non-TBK50 and should be backed up from the TBK50 to a mass    *
*  storage device such as disk or tape.  Once the FCO is installed,  *
*  that information can be restored back to the TK50 tapes via the    *
*  VAX 6000 series system.                                           *
**********************************************************************
```

   1. Shut down the system by executing the Shutdown Command Procedure.

           $ @SYS$SYSTEM:SHUTDOWN

      After VMS shuts down, type ^P .... you will now be at the console
      mode prompt, >>>

      At the console prompt type HALT <CR>

   2. Turn the upper key switch on the system's console panel fully
      counterclockwise. This shuts off the output of the battery
      backup unit if present. To ensure "Total Off", pull the power
      circuit breaker on the H405 AC power controller located on the
      lower right side at the back of the system. Unplug the system.

   3. Use ALL ESD safety precautions to prevent DOA modules in upgrade
      kit.

```
****************************************************************
*                     C A U T I O N                           *
*                                                              *
*       All VAX modules contain electrostatic discharge        *
*       sensitive devices (ESDS).  The use of the VELOSTAT     *
*       kit is essential to prevent damage which may not       *
*       be noticed immediately.                                *
*                                                              *
****************************************************************
```

4.   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 on the system.
     d.   Attach the wrist strap to either wrist and the
          alligator clip to a convenient portion of the mat.

5.   Lift the lever of the VAXBI cardcage housing the T1034 module
     to be replaced.

6.   Remove the T1034 module from the cardcage and place it on the
     velostat mat. Check the revision of the module taken from the
     machine. If the module is an "K3, K4 or K5" re-install it in the
     same slot and proceed to step 10. If the module revision is
     below a "K3" proceed to the next step.

7.   Replace the T1034 with EQ-01552-02.

8.   Re-install the module into the slot from which it was removed.

9.   Repeat steps 6, 7 and 8 for both T1034's in the system.

10. Return the lever of the VAXBI cardcage to the locked position.

11. Plug in the System. Apply power to the system by pushing the
     Circuit Breaker to the "ON" position. Power up the system by
     turning the upper key switch on the systems console panel
     clockwise to the "ENABLE" position.

12. Bring up the operating system.

13. Run the Diagnostic Supervisor (VMS/DS).

14. Run the following diagnostics to ensure proper operation of the

NI and TK50 functions of the T1034:

                    EVDYD - VAX NI Functional Diagnostic
                    EVMDA - VAX TK50/TK70 Exercisor
                            (Run EVMDA/SECTION:ACCEPTANCE)

     15. Update Site Management Guide to reflect this FCO.

\^ 63XMX
\\63XMX
\\63XMX-F001
\\JACKSON
\\1989
\\OCT
\\FCO_DOCS