```
+----------------------------------------------------------------------+
|                                                                      |
|  _ _ _ _ _ _ _            Level of Urgency         Page_1_           |
| | | | | | | | | |             +--+                    Of_3_          |
| |d|i|g|i|t|a|l|      FCO      | F|                                   |
| |_|_|_|_|_|_|_|               +--+                                   |
|                                                                      |
|_____|
|                                                                      |
|  FIELD  CHANGE  ORDER                    Number:    62XMX-F002-DAS    |
|_____|
|  Applicability: This FCO should only be installed on 6000-2XX (62XX) 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 6000-2XX 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       Quantity:       Part Number:       Description:      |
|  FCO Kit#:                                                           |
|                                                                      |
|  EQ-01552-02       1            T1034 module    DEBNA (Rev K3, K4 or K5)|
|  FA-04857-03       1            FCO Document                         |
|                                                                      |
|_____|
| EQ Kit Variation System/Option Applic:        N/A                   |
|_____|
|                      Approvals                                       |
|_____|
|    CSSE Engineer   | F.S.  Product Safety  |  F.S.  Logistics        |
|    Ken Jackson     | Robert Brister        |  Bill Stanley           |
|_____|_____|_____|
|    CSSE Manager    | F.S. Microfiche Libraries| Affected Population:  |
|    Jan Sicard      |                       | 400                     |
|_____| EP-FSNVX-LB    VAX    |_____|
|    MicroMedia Pub. |                       | Initial Kitting:        |
|    Diane MacDonald | VAXnotes              | 400                     |
|_____| STARS                 |_____|
```

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

        _ _ _ _ _ _ _ | FCO   62XMX-F002
       | | | | | | | | |
       |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 62XX 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.                                     *
*                                                                  *
*********************************************************************
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 _ _ _ _ _ _ _             |      FCO     62XMX-F002
| | | | | | | |            |
|d|i|g|i|t|a|l|            |      PAGE    3  OF  3
|_|_|_|_|_|_|_|            |
_____|_____
```

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" reinstall it in the
    same slot and proceed to step 10. If the module revision is
    below a "K3" proceed to step 7.

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

8. Reinstall 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.

\^ 62XMX
\\62XMX
\\62XMX-F002
\\JACKSON
\\1989
\\OCT
\\FCO_DOCS