```
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| | | | | | | |                      Level of         Page  1
|d|i|g|i|t|a|l|                       Urgency          Of    4
|_|_|_|_|_|_|_|        FCO            [ F ]
```

FIELD CHANGE ORDER	Number KA650-F001-DAS

Applicability: MicroVax 3600, MicroVax 3500, VaxStation 3200 and VaxStation 3500 which are experiencing the symptoms described below.

Problem/Symptoms: Failure of the above mentioned systems to autoboot a RA70 during power-up or after a power failure/power-up sequence. Additional problem/symptoms addressed in this FCO are listed on Page 2.

Quick Check: see Page 2

Compatibility/Prerequisite FCO	Est. Time to Install
None	1.0 hrs

Special Tools or Test Equipment: None

FCO Parts Information

Order by FCO Kit #	Contents		
	Quantity	Part Number	Description
EQ-01550-03	1	KA650-AA	M7620-AA Rev K2 or higher.
EQ-01550-04	1	KA650-BA	M7620-BA Rev K2 or higher.
FA-04855-02	1		FCO Document

EQ Kit Variation/System-Option Applic: See Page 2.

Approvals

CSSE Engineer	F.S. Product Safety	F.S. Logistics
G. Gazzola	Robert Brister	E. Duggan
Responsible CSSE Mgr	F.S. Microfiche Libraries	Affected Population
E. Toledo		50
	VAXDOC EP-FSVDC-LB	
ESD&P Micropublishing		Initial Kitting
Diane MacDonald	VAXnotes	50
	STARS	
Revision		Hardcopy Publication
A		75
FCO Release Date		Parts Availability
17-July-1989		July 1989

Problem/Symptoms (Continued)

. Ultrix 3.0 upgrade incompatible with earlier revisions of the CPU.

. Failure of the system to autoboot a RA90 during power-up or after a
  dismount.

. Failure of the B/100 XQA0 command.

. Technical points 1, 2 and 3 of Customer Letter dealing with DMA
  transfers, POLY instructions and non-Digital device drives.

. Support of DSSI technology for older revisions of CPU board (Rev B-F)

. Support of KXJ11 Option.

Quick Check:

Upon boot, the following banner should be displayed:

        KA650-A/B V5.3 V2.7 (or greater)

EQ Kit Variation/System-Option Applicability:

Please read the descriptions below carefully before deciding which
kit to use:

   Kit 1: EQ-01550-02

           For systems with multiuser capabilities and license.

   Kit 2: EQ-01550-03

           For systems with single user capability and license.

   NOTE: THESE BOARDS ARE NOT INTERCHANGEABLE

INSTALLATION INSTRUCTIONS

    NOTE: If applicable, spin down and unload any drives
          that may be on the system prior to powering down.

1. Power down system.

```
        **********************************************
        *                   CAUTION                  *
        *                                            *
        *      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.

```
        ********************************************************
        *                       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. Remove the H3600-SA cover and disconnect the ribbon cables between
   the H3600 and the KA650.

6. Remove the module from the backplane and place on the velostat
   worksheet.

7.   Install new CPU module:

       Seat the module firmly into its backplane slot.

       Attach the ribbon cables from the H3600-SA to the CPU module.

       Attach the H3600-SA - close up cab/door.

8.   Power up and observe the banner that is displayed - it should read:

       KA650-A/B* V5.3, VMB2.7

     *A = multiuser system
      B = single user system

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\^ KA650
\\KA650
\\KA650-F001
\\GAZZOLA
\\1989
\\JUL
\\FCO_DOCS
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