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FIELD CHANGE ORDER	NUMBER: KN220-0001
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APPLICABILITY: All DECsystem 5500's with Revision D or E M7637-AA CPU modules.

PROBLEM & SYMPTOM: Power-up self test writes in one location in NVRAM (Pres-
toserve). If these self tests are run as a result of a power failure, this
location will be corrupted BEFORE the NVRAM data is written back to the disk.
There is no indication that data has been corrupted.

SOLUTION: Rev D modules to be replaced with Rev F04 modules. Rev E modules
to be upgraded with new EPROMs.

QUICK CHECK: Look for M7637-AA revision stamped on handle to be F04 or
verify that component E2 on the CPU module to be part number 23-161E8-00.

PRE/CO-REQUISITE FCO: None.	MTTI HRS 1.0
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TOOL/TEST EQUIPMENT: Standard service tool kit and anti-static equipment.

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS	EQ KIT VARIATION APPLICABILITY
EQ-01634-01	M7637-AA module and FA document.	
EQ-01634-02	23-161E8-00, 23-162E8-00 and FA document	
FA-04969-01	FA document	

FCO CHARGING INFORMATION

WARRANTY/CONTRACT

NONWARRANTY/NONCONTRACT

ON-SITE

OFF-SITE

ON-SITE

OFF-SITE

MATERIAL ONLY

TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	ORDER-ADMIN, HANDLING PKG, SHIPPING & EQ KIT
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DEC	DEC	DEC	DEC	CUS	CUS	CUS	CUS	CUS
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APPROVALS

CSSE Peter Benoit	CSL LOGISTICS Barry Weinstein	CS PRODUCT SAFETY Robert Brister
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CSSE MANAGER Ron Caprio	This document is published on multiple media including hardcopy, Customer Services	FCO RELEASE DATE 16 December 1991
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MICROMEDIA Diane MacDonald	Microfiche Libraries, Customer Services CD-ROM and	FCO REVISION A
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Rework Instructions:

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NOTE: Despite the efforts used to determine whether the system to be upgraded needs a new module or new EPROMs, i.e. the QUICK CHECK on Page 1 of this FA Document, the Site Guide, the label on the bulkhead connector, the revision of the M7637-AA may not be known until the module is pulled from the slot.

Please use accepted field engineering procedures when approaching this upgrade. Use accepted static precautions. Allow time for the customer to backup the system if needed; do the necessary paperwork upon completion. The 5500 may be in one of three different cabinets; the BA213, BA430, or the H9644. Consult the corresponding service manuals for proper system shutdown and module access. This document makes no attempt to address all possible scenarios that can lead up to the removal of the M7637-AA from the system.

1. Remove the M7637-AA module from the system.
2. Determine the revision of the module thus dictating the EQ kit to be used.

Revision stamped on
handle/stiffner (if
present)

	E64	E2	E3	Kit
D03 (FRS) or lower	LR3220	23-128E8-00	23-128E9-00	EQ-01634-01
E02 or E03	LR3222	23-128E8-00	23-129E8-00	EQ-01634-02
F04	LR3222	23-161E8-00	23-162E8-00	None (done)

3. If an EPROM kit is needed, simply:
 - a. Remove the old EPROMs and install the new EPROMs. The old EPROMs are reusable, but cannot be returned for credit. They may be properly disposed of.
 - b. Use a marker to rubout the module revision on the pin side of the handle/stiffner and re-label it F04 using an appropriate marker.
 - c. Go to Step 4c.

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4. If new module is needed:

- a. Remove the new module from the kit. Disable the Prestoserve battery backup on the old module (see above), fill out a repair tag (See Attachment B), attach the tag to the module and return it to the packaging of the new module.
- b. Enable the Prestoserve battery backup on the new module. (See Figure 1 on Page 4.)
- c. Install new module and test.
- d. The M7637 label on the bulkhead must be modified to reflect the new F04 revision. Also, the same is true for any applicable site guides.
- e. After completion of testing, the system is ready for operation in accordance with procedures applicable to the customer/site procedures.
- d. Follow example (Attachment A) when recording your labor activity.

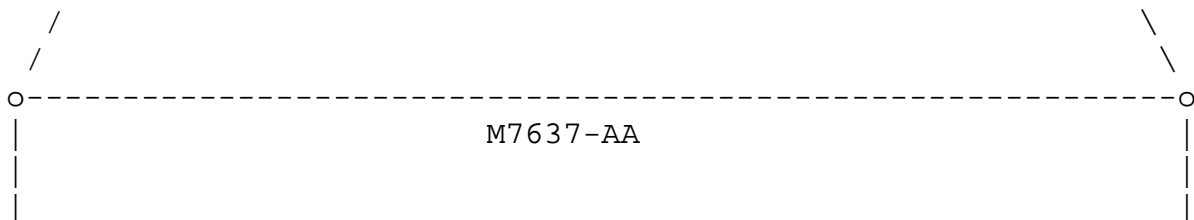
5. The upgrade is complete.

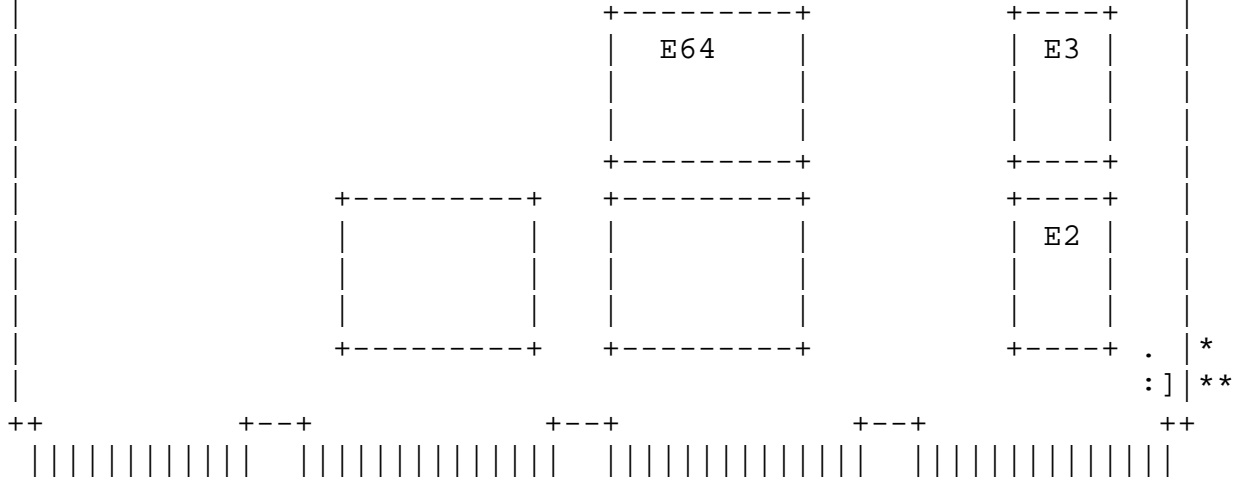
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FIGURE 1





*Prestoserve battery backup disabled **Prestoserve battery backup enabled

*Prestoserve battery backup disabled **Prestoserve battery backup enabled

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Attachment A

LARS EXAMPLE

ITEM	USA	GIA	EUROPE
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Category	O	O	O
Activity Codes:			
(a)Contract and Warranty	W	U	Y
(b)IN-DEC Contract/Warranty	K	K	K
Hardware Segment Code	111	111	01
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-Site Agreement	F	F	F
Product Line	01	01	01
DEC Option	00-KN220-AA	00-KN220-AA	00-KN220-AA
Type of Call	M	M	M
Action Taken	D	D	D
Fail Area-Module-FCO Comments	KN220-0001	KN220-0001	KN220-0001

Material Used (module swap) EQ-01634-01 EQ-01634-01 EQ-01634-01
(EPROM swap) EQ-01634-02 EQ-01634-02 EQ-01634-02

- (a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.
 - (b) Applies to INDEC AREA ONLY - Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.
 - (c) RTD=Return to Digital or Off-Site Agreements; if Field Engineer On-Site, use Activity Code "F".
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Attachment B

REPAIR TAG COMPLETION EXAMPLE

PART #	=	00-M7637-AA
REV	=	D0x (or appropriate)
REASON FOR RETURN	=	4
COMMENTS	=	FCO KN220-0001

\\FCO_DOCS
\\KN220
\\DECsystem 5500
\\^ KN220
\\M7637-AA
\\1992