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FCO

 Level of
 Urgency
 [I]

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FIELD CHANGE ORDER

Number: LN03-I001

Applicability:

Remove control ROMS from control board 29-24988 or 29-25334, location IC39 (#4), IC38 (#5), IC71 (#11), IC72 (#10) and replace them with 23-220E5 (IC38), 23-221E5 (IC39), 23-222E5 (IC71) and 23-223E5 (IC72).

This revised FCO supersedes Revision B dated 25 February 1986. It reflects changes in the rework procedure for controller board 29-25334 and the addition of P/N's 23-155E6 & 23-156E6 to the Bill of Materials.

Problem/Symptoms:

The LN03 at times exhibits a Font management problem when several files which contain Font loads are printed/queued at the same time. The LN03 will fail to load fonts correctly and no text will be printed. Error 24 may flash on the control panel. Continued on page 2.

Quick Check:

Press the LN03 Test Button and read Summary Test Sheet. Revision Level should read DEC004.4.

Compatibility/Prerequisite FCO:

None

Est. Time to Install

1.0 Hour

Special Tools or Test Equipment:

None

FCO Parts Information

Order by FCO Kit #	Contents		
	Quantity	Part Number	Description
EQ-01387-01		See page 2 of this document.	
FA-04679-01	1		FCO Document

EQ Kit Variation/System-Option Applic:

Approvals

 CSSE Engineer
 James F. Gomez

 F.S. Product Safety
 Larry Kershaw

 F.S. Logistics
 Ed Duggan

Responsible CSSE Mgr Bill Mahoney	F.S. Microfiche Libraries	Affected Population 8000
ESD&P Micropublishing Marie Rice	KS10 PDP8 PDP11 LCG	Initial Kitting 7000
Revision C	VAXnotes STARS	Hardcopy Publication 7000
FCO Release Date 14-April-1986		Parts Availability May 1986

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Problem/Symptom Information (continued from page 1)

Violation of the right margin can cause an unsolicited error message (41, 115) to be sent to the Host. No error will flash on the control panel.

FCO Parts Information (continued from Page 1)

Order by

FCO Kit #	Quantity	Contents Parts Number	Description
EQ-01387-01	1	23-220E5	ROM
	1	23-221E5	ROM
	1	23-222E5	ROM
	1	23-223E5	ROM
	1	23-155E6	ROM
	1	23-156E6	ROM
	1	EK-OLN03-RM-002	LN03 Programmer Reference Manual
FA-04679-01	1		FCO Document

REWORK PROCEDURE

This Rework Procedure allows the LN03 to be fully utilized when using WPS and DECpage V2. It is also required to upgrade an LN03 to an LN03 Plus.

```
*****  
*                                                                 *  
*              WARNING                                         *  
*                                                                 *  
* All power must be OFF before beginning                       *  
*           this operation.                                     *  
*                                                                 *  
*****
```

Utilizing the LN03 Pocket Service Guide, EK-OLN03-PS-002, perform the following:

1. Remove the cover (see page 86, paragraph 2.32).
2. Remove the 29-24988 Controller Board (see page 92, paragraph 2.35).

```
*****  
*                                                                 *  
*              CAUTION                                         *  
*                                                                 *  
* Use proper ESD protection to protect                         *  
* the Controller for static discharge.                         *  
*                                                                 *  
*****
```

3. Use the diagrams shown in Figure 1 (page 5) and Figure 2 (page 6) of this document to locate the ROMs to be replaced.
4. Remove ROM #4, at location IC39, and replace it with the new ROM, P/N 23-221E5.
5. Remove ROM #5, at location IC38, and replace it with the new ROM, P/N 23-220E5.
6. Remove ROM #10, at location IC72, and replace it with the new ROM, P/N 23-223E5.

7. Remove ROM #11, at location IC71, and replace it with the new ROM, P/N 23-222E5.

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REWORK PROCEDURE Continued

8. Check the replaced ROMs to make sure that they are all correctly seated and that no pins are bent.
9. Re-install the Controller Board by performing steps 3,2, and 1 of the procedure outlined on page 92, paragraph 2.35 in the Pocket Service Guide.
10. Remove the 29-25334 Controller Board (see page 92, paragraph 2.35).
11. Use diagram shown in Figure 3, page 7 of this document to locate ROMs to be replaced.
12. Remove ROM at location IC39 and replace it with new ROM, P/N 23-155E6.
13. Remove ROM at location IC72 and replace it with new ROM, P/N 23-156E6.
14. Check the new Roms to make sure that they are all correctly seated and that no pins are bent.
15. Re-install the Controller Board by performing steps 3, 2, and 1 of the procedure in the Pocket Service Guide (page 92, paragraph 2.35).
16. Re-install the cover by reversing steps 1-7 on page 86, paragraph 2.32 in the Pocket Service Guide.
11. Perform the LN03 self-test as indicated on page 2, paragraph 1.2.1 in the Pocket Service Guide.
12. The installation of the 4.4 microcode is complete when the LN03 passes the self-test.

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(Diagram for Controller Board 29-24988)

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(Diagram for Controller Board 29-24988)

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(Diagram of Controller Board 29-25334)

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