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FIELD CHANGE ORDER

Number: DEREPA-R001

Applicability: Upgrade all DEREPA-AA, AB, RC, RD's at or below Revision C1 and DEREPA-RA, RB's at or below Revision B1 exhibiting problem symptoms as noted in the Problem/Symptom Section of this FCO Document. This FCO implements ECO: 54-15586-MK007 and DEREPA-MK005.

Problem/Symptom:

1. DEREPA will not rest properly on a quick power fail (less than 300 ms). Unit will go into self-test and never return to normal operation.

Verify the presence of an eight pin IC at location E127, Part Number 19-24835-01.

Compatibility/Prerequisite FCO:

None

Est. Time to Install:

1.0 Hr.

Special Tools or Test Equipment:

None

FCO Parts Information

Order by	Quantity:	Part Number:	Description:
FCO Kit#:			
EQ-01521-01	1	See page 2.	
FA-04821-01	1	FCO Document	

EQ Kit Variation System/Option Applic: DEREPA-AA, AB, RA, RB, RC, RD

Approvals

CSSE Engineer
Dave Benson

F.S. Product Safety
Robert Brister

F.S. Logistics
S. Wilkins

CSSE Manager
Jonathan Lewis

F.S. Microfiche Libraries
EP-FSNVX-LB VAX

Affected Population:
6,140

MicroMedia Pub

Initial Kitting:

Diane MacDonald	VAXnotes	6,140
Revision: A	STARS	Hardcopy Publication: 6,140
FCO Release Date 13-FEB-89		Parts Availability: February 1989

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FCO Parts Information: Continued from page 1.

	Quantity	Part Number	Description
EQ-01521-01	1	54-15586-01	DEREP Logic Module
	1	36-19209-03	Brady Marker "C"
	1	36-19209-04	Brady Marker "D"
	1	36-19208-01	Brady Marker "1"
FA-04821-01	1		FCO Document

REWORK INSTRUCTIONS

1. Perform all necessary procedures to remove the DEREPA repeater from the Network.

2. Remove power from the DEREPA.

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*****
*                               *
*             CAUTION           *
* To assure that the AC power is removed from the unit, *
* the AC power cord must be disconnected.                 *
*****

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3. Remove all the external cables to the DEREPA.

4. Remove the two slotted screws from the bottom of the repeater, flip the unit over resting it on its base.

NOTE: DO NOT REST THE REPEATER ON THE REAR FIBER OPTIC CONNECTORS.

5. Lift the front of the top cover up.

6. Completely remove the top cover and set aside.

7. Pull up on the plunger of each plastic fastener located on the FCC enclosure on the front of the unit.
8. Lift the front of the top chassis cover up.
9. Disconnect the power supply interconnect cable from the logic module.

NOTE: BE SURE TO REMOVE THE CONNECTOR FROM THE LOGIC MODULE AND NOT FROM THE POWER SUPPLY.

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10. Slide the top chassis cover forward about 1cm (3/8 in). The four metal tabs of the top chassis cover should slide out of the holes in the rear of the bottom chassis cover.

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*                               *
*           WARNING             *
*   The DEREPE module is an electrostatic discharge sensitive *
*   device. The use of the VELOSTAT kit is essential to      *
*   prevent damage which may not be noticed immediately.    *
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FIBER OPTIC MODULE REMOVAL

NOTE: (Steps 11 thru 13 will only be necessary for DEREPE-RC and DEREPE-RD.)

11. Remove the two screws from the rear standoffs, using an Xcelite X100 screwdriver, Digital P/N 29-13470-00.
12. Gently pull the locking clip of the remaining standoffs away from the module.
13. Remove the module by lifting the module up from each standoff and off of the electrical connector.

LOGIC MODULE REMOVAL

14. Pull up the plungers of the three plastic fasteners.
15. Carefully lift the logic module out of the metal chassis.
16. Install the new logic module supplied in this FCO Kit, P/N 54-15586-01, into the repeater.
17. Reverse sequence steps 14 thru 1 to restore the DEREPE back to normal operation. If unit is not a DEREPE-RC or DEREPE-RD ignore

steps 13 thru 11.

18. For DEREPA-RA and DEREPA-RB at Rev. "B1" or below install Brady Markers "C" and "1" over the existing Rev. on the unit tag located at the rear of the DEREPA.
19. For DEREPA-AA, DEREPA-AB, DEREPA-RC, and DEREPA-RD at Rev. "C1" or below install Brady Markers "D" and "1" over the existing Rev. on the unit tag located at the rear of the DEREPA.
20. Power on the Repeater and insure that it successfully passes the internal power-on self-test diagnostic.
21. Complete LARS data as per example.
22. Update the Site Management Guide to reflect the installation of this FCO.

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LARS

	USA	GIA	EUROPE
Activity -			
Contract and Warranty	W	U	Y
Non Contract/Non Warranty	F	U	F
DEC Option	DEREP	DEREP	DEREP
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	DEREP-R001	DEREP-R001	DEREP-R001
Material Used	EQ-01521-01	EQ-01521-01	EQ-01521-01

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