_ FCO DSRVB-F001, DECSERVER 200’s w DEC423 exhibit errors

DIGITAL	tm	FFFFF CCCC OOO	LEVEL OF URGENCY	PAGE 1 OF 5
		F C O O		
		FFF C O O	+-----+	
		F C O O	| F |	
		F CCCC OOO	+-----+	

FIELD CHANGE ORDER Number DSRVB-F001

Applicability: Replace "as needed" in the Field, DSRVB-BA and DSRVB-BB below Revision "C1" which are exhibiting the problem/symptoms as noted in the Problem/Symptom Section of this FCO document.
(Applicability Section continued on page 4 of this FCO document.)

Problem/Symptoms: 1) Artificial login attempts on the DECSERVER 200’s using DEC423 (DATA LEADS ONLY) inter-connect. (2) Excessive framing errors on the DECSERVER 200’s using DEC423 inter-connect. (3) Locked Ports on the DECSERVER 200’s using DEC423 inter-connect. (4) Excessive Port overrun errors on the DECSERVER 200’s using DEC423 inter-connect. (5) Server slowdown due to false logins on the DECSERVER 200’s using DEC423 interconnect.

NOTE The above listed problems only apply to DECSERVER 200’s, DSRVB-BA and DSRVB-BB (DECserver 200-DL/DATA LEADS ONLY) models, and will only occur when a terminal is powered off during normal operations.

Quick Check 1) Verify DSRVB-BA and DSRVB-BB at Revision "C1" or higher.

Compatibility/Prerequisite FCO	Estimated Time to Install
NONE	1.0 Hr.

Special Tools or Test Equipment
NONE

FCO Parts Information

Order by FCO Kit #	Contents		
	Quantity	Part Number	Description
EQ-01546-01	1	DSRVB-BA	120V Ethernet Terminal Switch
EQ-01546-02	1	DSRVB-BB	240V Ethernet Terminal Switch
FA-04851-01	1		FCO Document

EQ Kit Variation/System-Option Applicability: DSRVB-BA and DSRVB-BB.

Approvals

CSSE Engineer	F.S. Product Safety	F.S. Logistics
David Benson	Robert Brister	Ed Duggan
Responsible CSSE Mgr.	F.S. Microfiche Libraries	Affected Population

Jonathan Lewis		13,834
EDS&P Micropublishing	EP-FSVDC-LB VAX	Initial Kitting
Diane MacDonald	VAXnotes	13,834
	STARS	
Revision		Hardcopy Publication
A		14,000
FCO Release Date		Parts Availability
19-JUN-89		June 1989

REWORK INSTRUCTIONS

** NOTE ** DECSERVER 200 Technical Manual possession and pre-familiarization is suggested.

1) Locate the DECSERVER 200's (DSRVB-BA/DSRVB-BB) exhibiting the problems/symptoms as described in the Problem/Symptoms Section of this FCO document.

2) Obtain the Customer's permission and logically remove the DECSERVER 200 from the Customers network.

3) Remove power from the DECSERVER 200 Server by unplugging the power cable from the appropriate power outlet.

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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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4) Unplug the Ethernet Transceiver Cable, and the device cables from the rear of the DECserver 200.

5) Physically remove the DECserver 200.

6) Install the DECserver 200 (DSRVB-BA/DSRVB-BB) supplied with this EQ Kit.

7) Reverse sequence steps 4 thru 2.

8) Use the shipping container and packing material from the EQ Kit to pack and ship the removed DECserver 200.

9) Restore power to the DECSERVER 200.

REWORK INSTRUCTIONS (Continued)

10) Proper operation of the DECserver 200 is verified by the status of the four Light Emitting Diodes (LEDs) on the servers' control/indicator panel. Whenever power is applied to the unit, the server performs a diagnostic self-test and initiates a request for a down-line load of the server image from a load host. The server self-test normally takes about 20 seconds to complete, but the down line load loading of the server image could take longer if the network is busy. Allow up to two minutes for the server self-test and down-line loading of the server image to complete, then compare the state of the four status LED's on the server with the following table:

STATUS LED's

LED Name	LED Definition	State	Indication
D1	Power on/off	ON	The server's dc voltages are correct
		OFF	The server's dc voltages are NOT correct
D2	Diagnostic	ON	Self-test passed
		OFF	Fatal error or test-in-progress
		BLINK	Nonfatal error
D3	Software	ON	Server image successfully loaded
		OFF	Down-line load in progress
		BLINK	Multiple-load failure
D4	Network Activity	ON*	Indicates activity on the network

* Can be ON or OFF or flickering, depending on the amount of traffic on the network.

NOTE (If the power-up self test diagnostic is not successful consult the DECSERVER 200 Technical Manual for additional information.)

12) Complete LARS data as per example on Page 5 of 5 of this FCO Document.

13) Update the Site Management Guide to reflect installation of this FCO.

Applicability (Continued from Page 1)

On Digital Equipment communications systems using DEC423, problems have been known to occur when a user terminal is powered down, or a terminal line is left unterminated. This creates a condition where signal cross-talk from adjacent active lines or noise from other electrical sources is received at the local system or DECserver and the system attempts to act upon the signal received. The usual scenario is one where the system attempts to have the "noise" log-in and fails. The 5180 receiver chip is used in the following Digital products:

1) DSRVB-BA 120V 8 Line Ethernet Terminal Switch (DEC423 Data Leads Only).

2) DSRVB-BB 240V 8 Line Ethernet Terminal Switch (DEC423 Data Leads Only).

Problem/Symptoms (Continued from Page 1)

4) Excessive Port overrun errors on the DECSERVER 200’s using DEC423 inter-connect.

5) Server slowdown due to false logins on the DECSERVER 200’s using DEC423 inter-connect.

NOTE The above listed problems only apply to DECSERVER 200’s and DSRVB-BB (DECSERVER 200-DL/DATA LEADS ONLY) models, and will only occur when a terminal is powered off during

normal operations.

LARS

CATEGORY F	USA	GIA	EUROPE
Activity -			
Contract and Warranty	W	U	Y
Non Contract/Non Warranty	F	F	F
RTD/Off-site Agreement	F		
DEC Option	DSRVB	DSRVB	DSRVB
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	DSRVB-F001	DSRVB-F001	DSRVB-F001
Material Used	EQ-01546-01	EQ-01546-01	EQ-01546-01
Material Used	EQ-01546-02	EQ-01546-02	EQ-01546-02

(a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.

(b) RTD=Return to Digital or Off-site Agreements; if Field Engineer On-site, use Activity Code "F".

\^ DSRVB
\\DSRVB
\\BENSON
\\1989
\\JUN
\\FCO_DOCS