FIELD CHANGE ORDER  Number KA410-AA-I001

Applicability

MicroVAX 2000 systems experiencing the symptoms as described below.

Problem/Symptoms

MicroVAX 2000 systems which utilize the SLU (DZ) ports in applications which require data transmission on multiple lines at high speeds may experience the loss of data synchronization with the result being seen on a terminal or console as garbled characters. (Continued on Page 2)

Quick Check

Please reference Page 2 for the Quick Check details.

Compatibility/Prerequisite FCO

None

Est. Time to Install

1.5 hrs.

Special Tools or Test Equipment

1.) Field Service tool kit. 2.) ESD kit (DEC p/n 29-26246-00)

FCO Parts Information

<table>
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<tr>
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<tbody>
<tr>
<td>FCO Kit #</td>
<td>Quantity</td>
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<tr>
<td>EQ-01556-01</td>
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Approvals

CSSE Engineer
Rick Gelotti

F.S. Product Safety
Robert Brister

F.S. Logistics
Carol Sarasin

Responsible CSSE Mgr
Elisa Toledo

F.S. Microfiche Libraries
VAXDOC EP-FSVDC-LB

Affected Population
600

Initial Kitting
Problem/Symptoms (Continued from Page 1)

The system will require a power cycle reboot to correct the situation and return use of the terminal and/or console. Reducing the baud rate has lessened the frequency at which the problem may occur. (See Note below)

Quick Check (Continued from Page 1)

STEP 1:

Check the version of the YEDRIVER.EXE file by doing ANALYZE/RMS. The CREATION DATE must be 21-MAR-1988 or later. Any revision prior to this must be updated. **IMPORTANT** Proceed to STEP 2 only if STEP 1 has not corrected the problem.

STEP 2:

MicroVAX 2000 CPU module (p/n 70-24268-01) at revision F1 or higher. There should be a sticker on the non-component side of the module depicting the 70 class part number and the module revision.

*********************************************************************
*                         ** IMPORTANT **                           *
*                                                                   *
* Approximately 80% of previous instances of this problem have been *
* corrected using a revised version of the YEDRIVER.EXE file. This *
* revised driver is included as part of version 5.0 release of VMS. *
* For prior versions of this driver as applicable to VMS versions *
* 4.6 and 4.7 contact either the Atlanta or Colorado CSC. If a *
* system is exhibiting these symptoms and running a version of VMS *
* prior to version 5.0 then CSSE requires the installation of the *
* revised driver as an attempt to correct the situation. This *
* driver is located in the SYS$SYSTEM directory and a system reboot *
Installation Procedures:

1. Turn the system power switch off and disconnect all cables and loopback connectors from the rear of the system box.

2. Place the system box on its left side and remove the DEC423 converter from the rear of the system box.

3. On the bottom of the system box slide the skid plate up and remove.

4. Remove the two screws securing the bottom cover on the expansion adapter.

5. Place the system box on its rear bezel with the front bezel up and remove the four screws securing the system box cover.

6. Lift/slide the cover from the system box assembly.

7. Return the system to the horizontal position with the front of the system facing you and remove the five screws securing the CPU/shield assembly.

   **NOTE** Ensure all cables and loopbacks are removed from rear of system prior to this next step.

8. Lift the CPU/shield assembly from the front and rest it on the rear of the system.
9. Hold the shield with one hand and disconnect the DC power cable and the drive interconnect cable(s) from the system module with the other hand.

10. Disconnect the communications interconnect cable from the option if present.

11. Lift the CPU/shield assembly from the main chassis and place on the antistatic mat.

12. Observing static precautions, remove the two screws which secure the paper insulator to the shield assembly and place the insulator on the anti-static mat.

13. Remove the phillips head screw attaching the system module to the shield assembly.

14. Disconnect the DESVA interconnect cables (2) from the DESVA option if installed.

15. Remove the system module assembly from the shield and place it beside the shield.

16. Disconnect the battery cable from the system module.

** WARNING** Disconnecting the battery cable from the system module destroys all NVR memory (ie. time of day, restart params).

17. Remove the memory module from the system module.

18. Remove the communications option module from the system module if present.

19. (If necessary) Remove the two DESVA cables from the system module and install them onto the new system module.

*** IMPORTANT *** - STEPS 20, 21 - *** IMPORTANT ***

20. Remove the Network ID ROM from the old system module and SWAP it with the one located on the new system module verifying the correct orientation of pin 1 (notched) during re-installation.
21. Inspect the new system module for the correct setting of the SYSTEM TYPE select jumper <W6>. The jumper should be connecting pins 2 & 3 or the two pins farthest from the Ethernet BNC connector.

22. Re-assemble the CPU/shield assembly and re-install into the system box by reversing steps 1 through 20. Ensure the connection of all cables.

23. Power up the system and verify a successful pass of the power-up diagnostics. A message may be displayed such as:

? E 0040 0000.0005

This message indicates that the system clock has not been set.

24. Reset the NVR Default Boot Device and Default Recovery Action Flag by entering T 51 and T 53 respectively at the console prompt.

25. Run the System Exerciser diagnostic by entering T 0 at the console prompt. (Ex. >>>T 0 )

LARS INFORMATION

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<tbody>
<tr>
<td>(a) Contract and Warranty</td>
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<tr>
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<tr>
<td>Non Contract/Non Warranty</td>
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<tr>
<td>(b) RTD/Off-site Agreement</td>
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<tr>
<td>Product Line</td>
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<td>(c) In DEC (contract)</td>
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</table>

(a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site)
(b) RTD= Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "F".