FIELD CHANGE ORDER

NUMBER: KN430-0003
FT810-O002

APPLICABILITY: This "O" coded FCO must be installed in all DEC 4000-6XX AXP and VAXFT Model 810 systems that contain a 20A FEU (H7884-AA).

This FCO incorporates ECO No. H7884-TWO003.

PROBLEM & SYMPTOM:

Problem: High ground currents in H7884-AA cause random system errors.

Symptom:
1. DEC4000-6XX systems hang randomly.
2. DEC4000-6XX systems exhibit power-up random (PSC error code 9) failures.
3. DEC4000-6XX systems’ PSC reports fan speed errors randomly.
4. VAXft810 systems (see above)

SOLUTION: Install a new FEU H7884-AA (part revision D06).

(Refer to APPLICABILITY section)

QUICK CHECK:

If the system contains a 20A FEU (H7884-AA, part revision below "D06") it needs this FCO.

PRE/COREQUISITE FCO: N/A | HRS | 1 hr.

TOOL/TEST EQUIPMENT:

Field Service Tool Kit
Electrostatic Field Service Kit

FCO PARTS INFORMATION

<table>
<thead>
<tr>
<th>FCO KIT NO.</th>
<th>DESCRIPTION OF CONTENTS</th>
</tr>
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<tbody>
<tr>
<td>EQ-01688-01</td>
<td>H7884-AA 20 AMP FEU</td>
</tr>
<tr>
<td>FA-05024-01</td>
<td>FCO DOCUMENT</td>
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</table>

FCO CHARGING INFORMATION (See Last Page)

APPROVALS

TECH. ENGINEER | BUSINESS MGR. | DSHQ LOGISTICS | DS PRODUCT SAFETY
Bharat Shah    | Mike Collins   | Barry Weinstein| Robert Brister
Installation Procedure For All 4000-6xx Systems

Note: Please also refer to "DEC 4000 Model 600 AXP series Power Supply Upgrade Instructions Manual", Part no. EK-20AMP-UP for upgrade installation instructions.

1. Shut down the operating system: Have the customer notify all affected system users and shut down the operating system.

2. Halt the system: Once the operating system has been shut down, press the HALT button on the Operator Control Panel (OCP) and leave it "in" (halted).

3. Set up VELOSTAT KIT
   a) Unfold the VELOSTAT mat to full size (24" x 24").
   b) Attach the 15 foot ground cord to the VELOSTAT snap fastener on the mat.
   c) Attach the alligator clip end of the ground cord to a good ground.
   d) Attach the wrist strap to either wrist and the alligator clip to a convenient portion of the mat.
   e) Remove the module from the spares kit and place it on the mat.

   CAUTION
   * If using a module in an ESD box, insure wrist strap is connected to the box and the box is connected to chassis of the device being upgraded.
4. Power down/unplug system: Turn off the DC on/off switch on the OCP: wait for the fans to stop (takes less than 30 seconds), and then turn off the AC circuit breaker at the rear of system. Unplug the system power cord from the wall receptacle.

5. Unscrew and remove the fan cover from the rear of the system (refer to the figure on page 3 of the manual).

6. Unscrew and remove the FEU (H7884-AA).

7. Install the new 20A FEU (H7884-AA).

8. Reinstall the fan cover.

   Note: Be sure to seat the fan cover correctly. An incorrectly seated fan cover will not close the interlock switch. This condition is indicated by a 9 (hex) fan fault error and the fan failure LED will remain on.

9. After ensuring halt switch is "in" (system halted), power up system: set AC circuit breaker and DC on/off switch to on.

10. System verification test: Observe console terminal for correct power up sequence.

    If the power up sequence is correct and no errors are indicated, proceed to Step 20.

    If the power up self tests indicate an error refer to the "DEC 4000 AXP Model 600 Series Service Guide", Part No. EK-KN430-SV, for further information.

11. Reboot system: Place system in Run mode (halt switch "OUT") and type "BOOT" at the console prompt, >>>. The system will initiate the boot sequence from the default boot device.

    >>> boot
Installation Procedure For All VAXFT Model 810 Systems
------------------------------------------------------

1. Ask the operator or system manager to shut down the zone using the procedure in section 5.3.2 of Model 810 service information, Part No. EK-VXFTA-SI.

2. Open the rear door of the cabinet.

3. Set the FEU circuit breaker to the off position.

4. Disconnect the ac power cable from the FEU.

5. Loosen the screws that secure the module in the cabinet. The FEU is secured with four screws.

6. Grasp the module release handles and pull the power module out of the cabinet.

Final Steps For All Systems
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1. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO KN430-0003 or FT810-0002
   (See the LARS example on page 5).

2. Clean-Up: Individually tag the FEU as indicated below:

   Part No.              H7884-AA
   Rev.                  Insert part rev from module here
   Reason for return     FCO
   Comments              FCO KN430-0002 or FT810-0002

3. Package the FEU into the container from the kit and return through normal logistics channels.
LARS

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<tr>
<th>CATEGORY F</th>
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<th>GIA</th>
<th>EUROPE</th>
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<td>K</td>
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<td>Warranty</td>
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<td>U</td>
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<tr>
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DEC Option  | H7884 | H7884 | H7884 |
Option ID    | X | N/A | N/A |
Type of Call | M | M | M |
Action Taken | D | D | I/V |
Fail Area-Module-FCO-Comments | KN430-0003 | KN430-0003 | KN430-0003 |
| FT810-0002 | FT810-0002 | FT810-0002 |
Material Used | EQ-01688-01 | EQ-01688-01 | EQ-01688-01 |

(a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements; * Note material (only) free of charge for all customers.
(b) Applies to IN-DEC Area Only
(c) RTD=Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "O".

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