FIELD CHANGE ORDER NUMBER: KN15-AA-F004, KN15-BA-F003, KN15-CA-F001, KN16-AA-F001, KN16-BA-F001, KN16-CA-F001, KN17-AA-F001, KN17-BA-F001

APPLICABILITY: This FCO is customer installable and it should be installed by Customer Services ONLY when demanded by the customer. This FCO is for all DEC3000/* Alpha AXP Workstations shipped beginning December 1992 until November 1, 1993, plus all DEC 3000 Model 600 and 600S systems shipped before February 16, 1994.

PROBLEM & SYMPTOM: There is an EXTREMELY REMOTE possibility that in a below normal temperature environment, a SCSI controller transaction error could occur. Through extensive testing below normal operating temperatures, all observed occurrences of this condition have resulted in a detected illegal command. Because this condition in THEORY could cause data corruption we have supplied a MUP which will fix this condition.

SOLUTION: Installation of this MUP will provide enhanced parity protection on SCSI controller transactions by programming parity pass through instead of parity generation in the SCSI controller chip(s).

QUICK CHECK: None

PRE/CO-REQUISITE FCO: None

TOOL/TEST EQUIPMENT: Power-up self-test is all that is needed

FCO PARTS INFORMATION

<table>
<thead>
<tr>
<th>FCO KIT NO.</th>
<th>DESCRIPTION OF CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA-05036-01</td>
<td></td>
</tr>
</tbody>
</table>

FCO CHARGING INFORMATION (See Page 3 of 3)

APPROVALS

TECH. ENGINEER | ENG. BUSINESS MGR. | DSHQ LOGISTICS | DS PRODUCT SAFETY
**INSTALLATION INSTRUCTIONS**

1. For firmware upgrade on all DEC3000/* platforms, PMAZB-AA and PMAZC-AA, see the DEC3000 AXP MUP01 Firmware Release Notes (AA-Q4B8A-TE) that are included in this kit.

2. For systems running OpenVMS versions 1.5 or 1.5-1H1, see the DEC3000 AXP MUP01 OpenVMS AXP Release Notes (AA-Q4B7A-TE) that are included in this kit.

3. For systems running OSF/1 versions 1.2, 1.2A, 1.3, 1.3A, or 1.3B, see the DEC 3000 AXP MUP 01 DEC OSF/1 Release Notes (AA-Q42FA-TE).

---

Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows:

**LARS EXAMPLE**

<table>
<thead>
<tr>
<th>CATEGORY S,O,F,I</th>
<th>USA</th>
<th>APA</th>
<th>EUROPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) Contract and Warranty</td>
<td>W</td>
<td>U</td>
<td>K</td>
</tr>
</tbody>
</table>
(b) IN-DEC Contract            W                U               W
Hardware Segment Code      111              111             111
Non Contract/Non Warranty  W                W               W
(c) RTD/Off-site Agreement  W                U               W
Product Line               031                              031

DEC Option                  SEE NOTE D       SEE NOTE D      SEE NOTE D
Type of Call                M                M               M
Action Taken                D                D               I/V
Fail Area-Module-FCO-Comments SEE NOTE D       SEE NOTE D      SEE NOTE D
Material Used               EQ-01699-01      EQ-01699-01     EQ-01699-01

(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 "F".
(d) For DEC3000 Models 800/800S and 600/600S, use KN17AA, for Models 500/500S, 400/400S, use KN15AA, and models 300 and 300L use KN16AA.

<table>
<thead>
<tr>
<th>WARRANTY/CONTRACT</th>
<th>NONWARRANTY/NONCONTRACT</th>
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</thead>
<tbody>
<tr>
<td>ON-SITE</td>
<td>OFF-SITE</td>
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<tr>
<td>TRAVEL/INSTALL</td>
<td>EQ</td>
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<tr>
<td>DEC</td>
<td>DEC</td>
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<tr>
<td>CUS</td>
<td>CUS</td>
</tr>
</tbody>
</table>

\ DB=FCO_DOCS CAT=HARDWARE GRP=FCO_DOCS KN15 KN16 KN17