_ FCO DRB32-0004, Corrects "hang" condition and adds a Word Counter.

| FIELD CHANGE ORDER NUMBER: DRB32-0004 APPLICABILITY: This FCO applies to all DRB32-W options which contain the T1023-00 module. The DRB32-W option may be found on any VAXBI bus system the provides connectivity to any one of a wide variety of far end devices. This FCO incorporates ECO T1023-YA-TW001. PROBLEM & SYMPTOM: This FCO corrects two problems:1) A *hang* condition might occur when a User Device causes an unexpected condition while transferring data. Once the DRB32-W is hung, the system must power fail to reset the DRB32) is hung, the system must power fail to reset the DRB32; and the module and E34 is part #23-02215-00. SOLUTION: Replace T1023-00 module with T1023-YA. QUICK CHECK: T1023-YA is etched on the module and E34 is part #23-02215-00. PRE/COREQUISITE FCO: N/A MTTI HRS Incol/TEST EQUIPMENT: FCO FARTS INFORMATION FCO KIT NO. DESCRIPTION OF CONTENTS FQ-01570-01/02 See Page 2 for Contents of EQ Kits. FA-04898-01 FCO Document FCO HARGING INFORMATION APPLICABILITY WARRANTY/CONTRACT INSTALL KIT | DIGITAL | | | FC | 20 | | | | | Y | | |
|---|--------------------------------------|------------------|--------------------|------------------------|--------------------------|------------------|-------------------|---------------------|--------------|--------------------|---------------------------------------|--|
| APPLICABILITY: This FCO applies to all DRB32-W options which contain the T1023-00 module. The DRB32-W option may be found on any VAXBI bus system the provides connectivity to any one of a wide variety of far end devices. This FCO incorporates ECO T1023-YA-TW001. PROBLEM & SYMPTOM: This FCO corrects two problems:1) A "hang" condition migit occur when a User Device causes an unexpected condition while transferring data. Once the DRB32-W is hung, the system must power fail to reset the DRB32 2)T1023-00 does not contain a Word Counter. T1023-YA adds a Word Counter. SOLUTION: Replace T1023-00 module with T1023-YA. QUICK CHECK: T1023-VA is etched on the module and E34 is part #23-022L5-00. PRE/COREQUISITE FCO: N/A MTTI HRS 1 hr. TOOL/TEST EQUIPMENT: I hr. FCO KIT NO. DESCRIPTION OF CONTENTS EQ KIT VARIATION APPLICABILITY FQ-01570-01/02 See Page 2 for Contents of EQ Kits. EQ KIT VARIATION APPLICABILITY FCO CHARGING INFORMATION FCO CHARGING INFORMATION APPLICABILITY WARRANTY/CONTRACT ON-SITE OFF-SITE MATERIAL ONLY NONWARRANTY/NONCONTRACT EQ ITRAVEL/ EQ EQ COC CRESE-ADMIN. HANDLING INSTALL KIT INSTALL KIT INSTALL KIT INSTALL COSE APPROVALS CSSE DEC DEC UEC CUS CUS <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td><td>01</td><td></td><td>OF 11</td></t<> | | | | | | | | L | 01 | | OF 11 | |
| T1023-00 module. The DRB32-W option may be found on any VAXBI bus system that provides connectivity to any one of a wide variety of far end devices. This FCO incorporates ECO T1023-VA-TW001. PROBLEM & SYMPTON: This FCO corrects two problems:1) A "hang" condition might occur when a User Device causes an unexpected condition while transferring data. Once the DRB32-W is hung, the system must power fail to reset the DRB32 (2)T1023-00 does not contain a Word Counter. T1023-YA adds a Word Counter. SOLUTION: Replace T1023-00 module with T1023-YA. QUICK CHECK: QUICK CHECK: Intr. T10021-YA is etched on the module and E34 is part #23-022L5-00. MTTI HRS PRE/COREQUISITE FCO: N/A Intr. T000L/TEST EQUIPMENT: Intr. T001/TEST EQUIPMENT: PCO PARTS INFORMATION FCO KIT NO. DESCRIPTION OF CONTENTS EQ KIT VARIATION APPLICABILITY EQ-01570-01/02 See Page 2 for Contents of EQ Kits. FA-04898-01 FCO CHARGING INFORMATION FCO CHARGING INFORMATION APPLICABILITY WARRANTY/CONTRACT ON-SITE OFF-SITE MATERIAL ONLY INSTALL KIT INSTALL KIT INSTALL KIT INSTALL KIT INSTALL KIT INSTALL KIT INSTALL DEC DEC DEC CUS < | FIELD C | HANGE | ORDER | | | | 1 | IUMBER: | DRB | 32-0004 | | |
| occur when a User Device causes an unexpected condition while transferring data. Once the DRB32-Wis hung, the system must power fail to reset the DRB32 2)T1023-00 does not contain a Word Counter. T1023-YA adds a Word Counter. SOLUTION: Replace T1023-00 module with T1023-YA. QUICK CHECK: T1023-YA is etched on the module and E34 is part #23-022L5-00. PRE/COREQUISITE FCO: N/A MTTI HRS 1 hr. TOOL/TEST EQUIPMENT: FCO FARTS INFORMATION FCO KIT NO. DESCRIPTION OF CONTENTS FA-04898-01 FCO COLENTS FCO CHARGING INFORMATION APPLICABILITY FA-04898-01 FCO CHARGING INFORMATION WARRANTY/CONTRACT NONWARRANTY/NONCONTRACT ON-SITE OFF-SITE ON-SITE ON-SITE OFF-SITE MATERIAL ONLY TRAVEL/ EQ INSTALL KIT INSTALL KIT INSTALL KIT INSTALL DEC DEC DEC CSSE SE FSHQ LOGISTICS FS PRODUCT SAFETY Jim Vermette Bill Stanley Robert Brister CSSE MANAGER FS. MICROFICHE LIBRARIES FCO RELEASE DATE S | T1023-0 provide | 0 modu s conr | ule. Th nectivi | ne DRB32- ty to an | -W option ny one of | may b a wid | e found | d on any | VAX | BI bus | system that | |
| QUICK CHECK: T1023-YA is etched on the module and E34 is part #23-022L5-00. PRE/COREQUISITE FCO: N/A MTTI HRS 1 hr. 1 hr. TOOL/TEST EQUIPMENT: FCO PARTS INFORMATION FCO KIT NO. DESCRIPTION OF CONTENTS EQ KIT VARIATION FQ-01570-01/02 See Page 2 for Contents of EQ Kits. FA-04898-01 FCO Document FCO CHARGING INFORMATION FCO CHARGING INFORMATION APPLICABILITY WARRANTY/CONTRACT NONWARRANTY/NONCONTRACT MATERIAL ONLY WARRANTY/CONTRACT ON-SITE OFF-SITE MATERIAL ONLY TRAVEL/ EQ TRAVEL/ EQ ORDER-ADMIN, HANDLING INSTALL KIT INSTALL KIT INSTALL KIT DEC DEC DEC DEC CUS CUS CUS APPROVALS APPROVALS FS PRODUCT SAFETY APPROVALS TAVEROFICHE LIBRARIES FCO RELEASE DATE CSSE MANAGER FS. MICROFICHE LIBRARIES FCO RELEASE DATE September 17, 1990 | occur wh data. On | en a l ce the | Jser De e DRB32 | evice cau 2-W is hu | uses an ur ung, the s | nexpec system | ted cor must p | ndition power fa | whil il t | e trans o reset | ferring the DRB32; | |
| T1023-YA is etched on the module and E34 is part #23-022L5-00. PRE/COREQUISITE FCO: N/A MTTI HRS Int. Int. TOOL/TEST EQUIPMENT: FCO PARTS INFORMATION FCO KIT NO. DESCRIPTION OF CONTENTS EQ KIT VARIATION FCO CONCENTS APPLICABILITY EQ-01570-01/02 See Page 2 for Contents of EQ Kits. FCO CHARGING INFORMATION FCO CHARGING INFORMATION FCO CHARGING INFORMATION APPLICABILITY ON-SITE OFF-SITE ON-SITE OFF-SITE ON-SITE OFF-SITE ON-SITE ORDER-ADMIN, HANDLING INSTALL KIT INSTALL KIT INSTALL INSTALL KIT INSTALL KIT PKG, SHIPPING & EQ KI DEC DEC DEC DEC DEC CUS CUS APPROVALS APPROVALS September September 17, 1990 September 17, 1990 CSSE FS. MICROFICHE LIBRARIES FCO RELEASE DATE September 17, 1990 | SOLUTIO | N: Rep | place 1 | 1023-00 | module wi | ith T1 | 023-YA. | | | | | |
| Image: 1 hr. 1 hr. TOOL/TEST EQUIPMENT: FCO PARTS INFORMATION FCO KIT NO. DESCRIPTION OF CONTENTS EQ KIT VARIATION APPLICABILITY EQ-01570-01/02 See Page 2 for Contents of EQ Kits. APPLICABILITY FA-04898-01 FCO Document APPLICABILITY APPLICABILITY WARRANTY/CONTRACT Important for the state of the state | | | etched | l on the | module ar | nd E34 | is par | rt #23-0 | 22L5 | -00. | | |
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| APPLICABILITY EQ-01570-01/02 See Page 2 for Contents of EQ Kits. FA-04898-01 FCO Document FCO CHARGING INFORMATION WARRANTY/CONTRACT NONWARRANTY/NONCONTRACT ON-SITE OFF-SITE ON-SITE OFF-SITE ON-SITE OFF-SITE MATERIAL ONLY TRAVEL/ EQ Install KIT Install KIT DEC DEC DEC <td< td=""><td> </td><td></td><td></td><td></td><td>FCO PAF</td><td>RTS IN</td><td>FORMATI</td><td>ION</td><td></td><td></td><td></td></td<> | | | | | FCO PAF | RTS IN | FORMATI | ION | | | | |
| FA-04898-01 FCO Document FCO CHARGING INFORMATION WARRANTY/CONTRACT NONWARRANTY/NONCONTRACT ON-SITE OFF-SITE ON-SITE ON-SITE OFF-SITE MATERIAL ONLY TRAVEL/ EQ TRAVEL/ EQ INSTALL KIT INSTALL KIT INSTALL DEC DEC DEC DEC CUS CUS APPROVALS APPROVALS FS PRODUCT SAFETY Jim Vermette Bill Stanley Robert Brister CSSE FS. MICROFICHE LIBRARIES FCO RELEASE DATE Ric Grogan VAXDOC EP-CSVDC-LB September 17, 1990 | FCO KIT | NO. | | DESCI | RIPTION OF | F CONT | ENTS | ~ | | | | |
| WARRANTY/CONTRACT NONWARRANTY/NONCONTRACT ON-SITE OFF-SITE ON-SITE OFF-SITE Image: Contract in the state i | | | 1 | - | or Content | s of i | EQ Kits | 5. | | | | |
| ON-SITE OFF-SITE ON-SITE OFF-SITE MATERIAL ONLY TRAVEL/ EQ EQ TRAVEL/ EQ EQ ORDER-ADMIN, HANDLING INSTALL KIT INSTALL KIT INSTALL KIT PKG, SHIPPING & EQ KI DEC DEC DEC DEC DEC CUS CUS CUS MATERIAL KIT INSTALL KIT INSTALL KIT PKG, SHIPPING & EQ KI DEC DEC DEC DEC CUS CUS CUS CUS MAPPROVALS | | | _ | | FCO CHARC | GING I | NFORMAT | TION | 1 | | | |
| Image: Second system Image: Second system <td< td=""><td> WARRA</td><td>NTY/CC</td><td>ONTRACI</td><td></td><td></td><td>NONW</td><td>ARRANTY</td><td>/NONCON</td><td>TRAC</td><td>T</td><td></td></td<> | WARRA | NTY/CC | ONTRACI | | | NONW | ARRANTY | /NONCON | TRAC | T | | |
| INSTALL KIT INSTALL KIT <td< td=""><td>ON-SI</td><td>TE</td><td>OF'F</td><td>-SITE</td><td> ON-SIJ</td><td>ΓE</td><td> OFE</td><td>-SITE</td><td> </td><td>MATERI</td><td>AL ONLY</td></td<> | ON-SI | TE | OF'F | -SITE | ON-SIJ | ΓE | OFE | -SITE | | MATERI | AL ONLY | |
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| Jim Vermette Bill Stanley Robert Brister CSSE MANAGER FS. MICROFICHE LIBRARIES FCO RELEASE DATE Ric Grogan VAXDOC EP-CSVDC-LB September 17, 1990 | | | | | APPF | ROVALS | | | . | | | |
| Ric Grogan September 17, 1990 | ~ | | | | | | | | | | | |
| | | | | September 17, 1990 | | | | 0 | | | | |
| Diane MacDonald STARS | MICROMEDIA Diane MacDonald | | | VAX/PDI | VAX/PDP EP-CSMST-LB | | | | FCO REVISION | | | |

| POPULATION 460 | VAX Notes _ | PARTS AVAILABILITY September, 1990 |
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| d i g i t a 1 _ _ _ _ _ _ | . | FCO DRB32-0004 PAGE 2 OF 11 |
| * | ************************************** | |
| | YA MODULE IS INS R IS NOT ACTIVAT | TALLED, IT COMES UP IN T1023-00 MODE AND * ED. * |
| * TO INCORPORATE * THAT UTILIZES T * START OF THE LI * CONTROLLER _INI * CODE. | HE WORD COUNTER : NE IMMEDIATELY PI T ROUTINE. THIS : | THAT PUT THE T1023-YA MODULE IN THE MODE * FUNCTIONALITY, PLACE A SEMI-COLON AT THE * RECEDING THE LABEL 0\$: IN THE * LINE IS CLEARLY MARKED WITHIN THE SOURCE * |
| * * * * * * * * * * * * * * * * * * * | | ************************************** |
| * UQWDRIVER, THOS * | E CHANGES MUST B | * PECIFIC MODIFICATIONS TO THE PREVIOUS * E MIGRATED TO THE V3.0 UQWDRIVER. * |
| * SAVESETS (DRB32 * INSTALLATION AN * DRIVER/APPLICAT | 030.A, DRB3203.B D ANY REQUIRED M TON IS THE SOLE | D TO SUPPLY THE CUSTOMER WITH THE V3.0 * , and DRB3203.C) CONTAINED IN EQ-01570-02.* ODIFICATION OF THE UQWDRIVER OR CUSTOMER * RESPONSIBILITY OF THE CUSTOMER * |
| | he T1023-YA at r | evision "Al" changes the revision of the |
| Contents of EQ Kits | (Continued from | _ |
| EQ-01570-01 (1) EK-DRB32-TM (1) AA-HZ25C-TE (1) | T1023-YA module Technical Manua | |
| | and one for VMS | ing two drivers (one for VMS 4.X customers 5.X customers). two drivers (one for VMS 4.X customers and customers). |
| NOTE: Branches s | hould share the | -02 kit. It is NOT NECESSARY to order one |

-02 kit for each -01 kit which is required. (See Note 2 above.)

| | FCO | D! | RB32- | 0004 |
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| _ _ _ _ _ | | | | |

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| I. | Installation | procedures | for | 6000-XXX Systems4 |
|------|---------------|------------|-----|-------------------------------------|
| II. | Installation | procedures | for | 82XX/83XX Configuration I Systems5 |
| III. | Installation | procedures | for | 82XX/83XX Configuration II Systems7 |
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| v. | LARS Example. | | | |

| | F | 'CO | DRB32-0 | 0004 |
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| d i g i t a 1 | | AGE | 4 OF | 11 |
| | | | | |

- I. FIELD INSTALLATION AND TEST PROCEDURE FOR 6XXX Systems
 - 1. Shut down the system by executing the Shutdown Command Procedure.

\$ @SYS\$SYSTEM:SHUTDOWN

After VMS shuts down, type ^P you will now be at the console mode prompt, >>>

At the console prompt type HALT <CR>

- 2. Turn the upper key switch on the system's console panel fully counterclockwise. This shuts off the output of the battery backup unit if present. To ensure "Total Off", push the power circuit breaker to the OFF position on the H405 AC power controller located on the lower right side at the back of the system to the OFF position.
- 3. Use ALL ESD safety precautions to prevent DOA modules in upgrade kit.

| * | CAUTION | * |
|---------|---|-----|
| * | All VAX modules contain electrostatic discharge sensitive | * |
| * | devices (ESDS). The use of the new VELOSTAT case is essential | * |
| * | to prevent damage which may not be noticed immediately. | * |
| * * * * | * | * * |

- 4. Hook the static strap from the system to the ESD case. Hook the other ESD strap to your wrist.
- Remove the module, T1023-00, from the cardcage and place it on the open top half of the conductive package. Install T1023-YA (EQ-01570-01) in the same slot.
- 6. Complete the Non-Conforming Material Tag and attach the tag to the old T1023-00 module.
- 7. Package the old module in the same ESD container and close the case.
- 8. Remove the grounding cable from the ESD container once closed.
- 9. Return the old T1023-00 module through normal channels ASAP.
- 10. Power up the system by pushing the Circuit Breaker to the "ON" position. Turn the upper key switch on the systems console panel clockwise to the "ENABLE" position.
- 11. Boot the Diagnostic Supervisor (VAX/DS).

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FCO DRB32-0004

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NOTE * Before diagnosing the DRB32-W using EVDRI, be sure the DRB32-M * * module (T1022) is fully functional by running Self-Test and * * EVDRH.EXE. Only after the DRB32-M is known to be good should * * diagnosing of the DRB32-W take place. This will help prevent * * erroneous testing results. The DRB32-W does not contain a VAXBI* * corner and, therefore, does not need to be attached to the supervisor process. Load EVDRI.EXE and test the T1023-YA module. 12. * NOTE * Version 4.1 of EVDRI is required to test the new functionality of the T1023-YA module. This is scheduled to be shipped from SSB* (formerly SDC) in Release 40 on July 16, 1990.

- 13. Upon successful completion of the diagnostics exit the VAX/DS.
- 14. Bring up the operating system.
- 15. Copy the V3.0 Savesets from EQ-01570-02 to the SYS\$LDR directory.
- 16. Update Site Management Guide to reflect this FCO.
- 17. Report FCO activity on LARS form in the "Module/fail area/FCO". (See attached examples.)

- II. FIELD INSTALLATION AND TEST PROCEDURE FOR 82XX/83XX Systems Config. 1
 - 1. Shut down the system by executing the Shutdown Command Procedure.

\$ @SYS\$SYSTEM:SHUTDOWN

After VMS shuts down, type ^P you will now be in console mode PROMPT is >>>

At the console prompt type HALT (CR)

2. Remove the processor cabinet front and rear doors and fully extend the cabinet stabilizer leg.

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| | PA | .GE | 0 | OF | <u>т</u> т |
| | | | | | |

| *************************************** | | | | | | |
|---|--|---|--|--|--|--|
| * | NOTE | * | | | | |
| * | If battery backup H7231 is present as an option, the DEC- | * | | | | |
| * | PWR-BUS cable 17-00931-0X must be in place between the 877 | * | | | | |
| * | power controller and the H7231 prior to the BA32 circuit | * | | | | |
| * | breaker being placed in the off position. If this cable | * | | | | |
| * | is not in place, battery backup may become activated. The | * | | | | |
| * | circuit breaker on the 877 power controller must not be | * | | | | |
| * | utilized. | * | | | | |
| * * * | * | | | | | |
| | | | | | | |

3. Turn the upper key switch on the console panel fully counterclockwise and slide the BA32 system box out of the cabinet. Set the main circuit breaker at the back of the BA32 box to the "OFF" (down) position. Remove the BA32 top cover.

| | | | | | | d|i|g|i|t|a|1|

4. Use ALL ESD safety precautions to prevent DOA modules/chips in upgrade kits.

- 5. Hook the static strap from the system to the ESD case. Hook the other ESD strap to your wrist.
- Remove the module, T1023-00, from the cardcage and place it on the open top half of the conductive package. Install T1023-YA (EQ-01570-01) in the same slot.
- 7. Complete the Non-Conforming Material Tag and attach the tag to the old T1023-00 module.
- 8. Package the old module in the same ESD container and close the case.
- 9. Remove the grounding cable from the ESD container once closed.
- 10. Return the old T1023-00 module through normal channels ASAP.
- 11. Replace the BA32 Top Cover. Power up the system by pushing the Circuit Breaker to the "ON" position. Turn the upper key switch on the systems console panel clockwise to the "ENABLE" position.

FCO DRB32-0004

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12. Boot the Diagnostic Supervisor (VAX/DS).

| | [| _ |
|-----|---|---|
| * * | *************************************** | * |
| * | NOTE | * |
| * | Before diagnosing the DRB32-W using EVDRI, be sure the DRB32-M | * |
| * | module (T1022) is fully functional by running Self-Test and | * |
| * | EVDRH.EXE. Only after the DRB32-M is known to be good should | * |
| * | diagnosing of the DRB32-W take place. This will help prevent | * |
| * | erroneous testing results. The DRB32-W does not contain a VAXBI | * |
| * | corner and, therefore, does not need to be attached to the | * |
| * | supervisor process. | * |
| * * | * | * |
| | | |

13. Load EVDRI.EXE and test the T1023-00 or T1023-YA module.

| * * * * * | * |
|-------------------------|---|
| * of * (fc | rsion 4.1 of EVDRI is required to test the new functionality * the T1023-YA module. This is scheduled to be shipped from SSB * prmerly SDC) in Release 40 on July 16, 1990. |
| 14. U | Jpon successful completion of the diagnostics exit the VAX/DS. |
| | Slide the BA32 box back into the cabinet and retract the stabilizer leg. |
| 16. U | Jpdate Site Management Guide to reflect this FCO. |
| | Report FCO activity on LARS form in the "Module/fail area/FCO". (See attached examples.) |
| * * * * * * * * * * * * | * |
| | NOTE * |
| | ANUAL AND PROGRAMMER'S MANUAL SHOULD BE LEFT AT CUSTOMER SITE* |
| II. FIELD IN | ISTALLATION AND TEST PROCEDURE FOR 82XX/83XX SYSTEMS - Config. 2 |

- - 1. Shut down the system by executing the Shutdown Command Procedure.
 - \$ @SYS\$SYSTEM:SHUTDOWN

d|i|g|i|t|a|1

* * * *

After VMS shuts down, type ^P you will now be in console mode PROMPT is >>>

At the console prompt type HALT (CR)

2. Remove the processor cabinet rear door.

FCO DRB32-0004

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| * | NOTE | 4 |
|---|--|---|
| * | If battery backup H7231 is present as an option, the DEC- | ł |
| * | PWR-BUS cable 17-00931-0X must be in place between the 877 | ¥ |
| * | power controller and the H7231 prior to the BA32 circuit | * |
| * | breaker being placed in the off position. If this cable | * |
| * | is not in place, battery backup may become activated. The | * |
| * | circuit breaker on the 877 power controller must not be | * |
| * | utilized. | * |

3. Turn the upper key switch on the console panel fully

| | | counterclockwise and set the main circuit breaker at the back of each AC input assembly to the "OFF" (down) position. | |
|-------|---------|---|---------|
| | 4. | Remove the plastic shield in front of the modules to allow access to the modules. | |
| * * | * * * * | * | * |
| k | | CAUTION | * |
| * * * | (E\$ | l modules contain electrostatic discharge sensitive devices SDS). The use of the new VELOSTAT case is essential to prevent mage which may not be noticed immediately. | * * * * |
| * * | | *************************************** | |
| | э. | Hook the static strap from the system to the ESD case. Hook the | : |

- Remove the module, T1023-00, from the cardcage and place it on the open top half of the conductive package. Install T1023-YA (EQ-01570-01) in the same slot.
- 7. Complete the Non-Conforming Material Tag and attach the tag to the old T1023-00 module.
- 8. Package the old module in the same ESD container and close the case.
- 9. Remove the grounding cable from the ESD container once closed.
- 10. Return the old T1023-00 module through normal channels ASAP.
- 11. Return the plastic shield in front of the modules. Power up the system by turning both Circuit Breakers on each AC input assembly to the ON (1) position and turning the upper keyswitch on the front console panel to ENABLE.
- 12. Boot the Diagnostic Supervisor (VAX/DS).

| | | | | | | d|i|g|i|t|a|1|

other ESD strap to your wrist.

FCO DRB32-0004

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| * * | * | * * |
|-----|--|-----|
| * | NOTE | * |
| * | Before diagnosing the DRB32-W using EVDRI, be sure the DRB32-M | * |
| * | module (T1022) is fully functional by running Self-Test and | * |
| * | EVDRH.EXE. Only after the DRB32-M is known to be good should | * |
| * | diagnosing of the DRB32-W take place. This will help prevent | * |
| * | erroneous testing results. The DRB32-W does not contain a VAXB | Ι* |
| * | corner and, therefore, does not need to be attached to the | * |
| * | supervisor process. | * |

| | * * * | *************************************** | ****** | | | |
|-------------|---|---|----------------|--|--|--|
| | 13. | Load EVDRI.EXE and test the T1023-00 or T1023-YA module. | | | | |
| | <pre>************************************</pre> | | | | | |
| | 14. | Upon successful completion of the diagnostics exit the V | AX/DS. | | | |
| | 15. | Replace and latch the processor cabinet rear door. | | | | |
| | 16. | Bring up the operating system. | | | | |
| | 17. | Copy the V3.0 Savesets from EQ-01570-02 to the SYS\$LDR di | rectory. | | | |
| | 18. | Update Site Management Guide to reflect this FCO. | | | | |
| | 19. | Report FCO activity on LARS form in the "Module/fail area (See attached examples.) | ı∕FCO". | | | |
| * * TECH | NICAL | NOTE MANUAL AND PROGRAMMER'S MANUAL SHOULD BE LEFT AT CUSTOMEF | * R SITE* | | | |
| III. | | INSTALLATION AND TEST PROCEDURE FOR VAX 85X0/8700/88X0/89 |)74 & 8978 | | | |
| _ | | ······································ | * * * * * | | | |
| | * | | * | | | |
| | * | CAUTION | * | | | |
| | * | | * | | | |
| | * | The module, as all other VAX 8XXX modules, | * | | | |
| | * | contains electrostatic discharge sensitive devices (ESDS). The use of the new VELOSTAT | * | | | |
| | * | case is essential to prevent damage which may | * | | | |
| | * | not be noticed immediately. | * | | | |
| | * | | * | | | |
| | * * | * | · * * * * | | | |
| - | | FCO DRB32-0004 | | | | |

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Shut down the system by executing the Shutdown Command Procedure. 1. \$ @SYS\$SYSTEM:SHUTDOWN

After VMS shuts down, type CTRL^P HALT.... you will now be in

the console mode. The prompt is ">>>"

 Using the 85X0/8700/88X0/897X console commands, power the CPU off.

>>>POWER OFF (CR)

After the system has powered down, place the Circuit Breaker (CB1) located near the input power cord, in the "OFF"(0) position. Wait five minutes to allow the capacitors to bleed down.

- 3. Use ALL ESD safety precautions to prevent DOA modules/chips in upgrade kit.
- 4. Hook static strap from 8XXX to ESD case, hook the other ESD strap to wrist.
- Remove the module, T1023-00, from the cardcage and place it on the open top half of the conductive package. Install T1023-YA (EQ-01570-01) in the same slot.
- 6. Complete the Non-Conforming Material Tag and attach the tag to the old T1023-00 module.
- 7. Package the old module in the same ESD container and close the case.
- 8. Remove the grounding cable from the ESD container once closed.
- 9. Return the old T1023-00 module through normal channels ASAP.
- 10. Power up the system by pushing the Circuit Breaker (CB1) to the "ON" position. Type POWER ON at the console:

>>>POWER ON (CR)

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11. Boot the Diagnostic Supervisor (VAX/DS).

| * * | * | * * |
|-----|--|-----|
| * | NOTE | * |
| * | Before diagnosing the DRB32-W using EVDRI, be sure the DRB32-M | * |
| * | module (T1022) is fully functional by running Self-Test and | * |
| * | EVDRH.EXE. Only after the DRB32-M is known to be good should | * |
| * | diagnosing of the DRB32-W take place. This will help prevent | * |
| * | erroneous testing results. The DRB32-W does not contain a VAXB | [* |
| * | corner and, therefore, does not need to be attached to the | * |
| * | supervisor process. | * |
| * * | * | * * |
| | | |

12. Load EVDRI.EXE and test the T1023-00 or T1023-YA module.

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|_|_|_|_|_| NOTE * Version 4.1 of EVDRI is required to test the new functionality of* * the T1023-YA module. This is scheduled to be shipped from SSB * * (formerly SDC) in Release 40 on July 16, 1990. Upon successful completion of the diagnostics exit the VAX/DS. 13. 14. Type @SYSINIT.COM to initialize the CPU and boot the Operating System. 15. Copy the V3.0 Savesets from EQ-01570-02 to the SYS\$LDR directory. 16. Update Site Management Guide to reflect this FCO. 17. Report FCO activity on LARS form in the "Module/fail area/FCO". (See attached examples.) NOTE * TECHNICAL MANUAL AND PROGRAMMER'S MANUAL SHOULD BE LEFT AT CUSTOMER SITE*

LARS

| CATEGORY O | USA | GIA | EUROPE |
|--|-----------------------------|-----------------------------|-----------------------------|
| Activity - | | | |
| (a)Contract and Warranty | W | U | Y |
| (b)IN-DEC Contract | K | | |
| Hardware Segment Code | 111 | | |
| Non Contract/Non Warranty | F | F | F |
| (c)RTD/Off-site Agreement | F | | |
| Product Line | 01 | | |
| DEC Option | DRB32-W | DRB32-W | DRB32-W |
| Type of Call | М | М | М |
| Action Taken | D | D | I |
| Fail Area-Module-FCO-Comments Material Used | | DRB32-0004 | DRB32-0004 |
| Material Used | EQ-01570-01/ EQ-01570-02 | EQ-01570-017 EQ-01570-02 | EQ-01570-01/ EQ-01570-02 |
| | | | |

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

\^ DRB32
\\DRB32
\\VERMETTE
\\1990
\\SEP
\\FCO_DOCS