

MVII DIAG RELEASE NOTES

THESE RELEASE NOTES DESCRIBE THE NEW FEATURES AND BUG FIXES FOR THE MICRO VAX II DIAGNOSTIC RELEASE 1.08

NEW DEVICES

ADV11-D
THE ADV11-D IS A DMA ANALOG TO DIGITAL CONVERTER. THE DIAGNOSTIC WAS ADDED TO THE SYSTEM AND IS NOW SUPPORTED BY MDM IN THIS RELEASE.

AAV11-D
THE AAV11-D IS A DMA DIGITAL TO ANALOG CONVERTER. THE DIAGNOSTIC WAS ADDED TO THE SYSTEM AND IS NOW SUPPORTED BY MDM IN THIS RELEASE.

KWV11-C
THE KWV11-C IS A REAL TIME CLOCK OPTION. THE DIAGNOSTIC WAS ADDED TO THE SYSTEM AND IS NOW SUPPORTED BY MDM IN THIS RELEASE.

RC25
THE RC25 DISK SYSTEM IS SUPPORTED BY MDM IN THIS RELEASE. THE RC25 DIAGNOSTIC IS THE SAME AS THE KDA50-Q DIAGNOSTIC. CURRENTLY THERE IS NO FORMATTER SUPPORT FOR THE RC25 UNDER MDM.

VCB02
THE VCB02 WORK STATION IS SUPPORTED BY MDM IN THIS RELEASE. IN ADDITION TO DIAGNOSTIC SUPPORT THERE IS ALSO CONSOLE SUPPORT FOR QDSS.

MDM SYSTEM NOTES AND UPDATES

ADDED DISKETTES
THE MICRO VAX II DIAGNOSTIC SYSTEM NOW CONTAINS 4 DISKETTES DUE TO THE ADDED DIAGNOSTICS.

CONTROL Z
PROBLEM - THE SYSTEM DOES A NORMAL EXIT WHEN CONTROL Z IS HIT.
SOLUTION - CONTROL Z IS NOW IGNORED

CONTROL C
PROBLEM - In MDM release 1.06, entering CTRL/C in response to a prompt from a diagnostic leaves latent operator input that may cause confusion when a subsequent START of the same diagnostic prompts for input.
SOLUTION - The problem is fixed in release 1.08.

AA-G03AA-DN

CPU AND MEMORY DIAGNOSTIC

CHANGE

THE CPU AND MEMORY DIAGNOSTICS WERE TAKEN OUT OF THE .SYS
IMAGE AND ARE NOW STANDALONE .EXE FILES.

BUG FIX TO MEMORY DIAGNOSTIC

PROBLEM - MISLEADING ERROR PRINTOUT

SOLUTION - FIXED ERROR PRINTOUT FOR PARITY ERROR MESSAGE
FOR EXPECTED AND RECEIVE DATA TO ERROR IS A
MACHINE CHECK ERROR.

RQDX DIAGNOSTIC

ENHANCEMENTS

- * ADDED UTILITY EXERCISER SUMMARY REPORT.
- * ADDED SOFT ERROR HANDLING.
- * FORMATTER RE-DONE WITH 'GET DUST STATUS'.
- * GIVE WRITE PROTECT STATUS IN CONFIG.
- * ADDED RQDX3 FORMATTER SUPPORT

BUG FIX

- * EXECUTE CLEANUP CODE AT END OF PASS TO PREVENT HANG PROBLEM.
- * ALLOW ANY PHYSICAL UNIT NUMBER.
- * FUNCTIONAL TEST 3 - ERROR IF OFFLINE.
- * FUNCTIONAL TEST 4 - ERROR IF WRITE PROTECTED.

MVII DIAG RELEASE NOTES

TK50

ENHANCEMENTS

CHANGED FORMAT OF UNIQUE ERROR NUMBER TO BE MORE ACCURATE AND SPECIFIC.

ADDED THE RUNNING OF THE L2 MICRODIAGNOSTICS IN THE FUNCTIONAL SECTION IN FIELD SERVICE MODE.

LOWER CASED THE MESSAGE FILE (WHERE APPROPRIATE).

CORRECTED A FEW TYPO'S IN MESSAGE FILE.

CHANGED TIMEOUT'S IN L2 MICRODIAGNOSTICS IN SERVICE EXERCISER MODE TO COMPENSATE FOR SYSTEM LATENCY.

ADDED CODE TO TYPEOUT THE ACTUAL DRIVE ERROR CODE WHEN A DRIVE ERROR IS DETECTED.

ADDED CODE IN THE CONFIGURE PROCEDURE TO DISABLE THE CONTROLLER IF THE FIRMWARE REVISION OR THE MODEL # IS INCORRECT.

BUG FIX

Problem - DIAG DOES NOT PROVIDE FIRMWARE REV IN CONF PROCEDURE

Solution - ADDED CODE TO OBTAIN FIRMWARE REV IN CONFIGURE

Problem - DIAG DOES NOT INDICATE WHAT FIRMWARE REV IS NEEDED

Solution - ADDED CODE TO INDICATE WHAT FIRMWARE REV IS REQUIRED

Problem - DIAG HANGS IN STANDALONE EXERCISER MODE

Solution - FIXED BUG THAT CAUSED DIAG TO HANG

Problem - DIAG CALLS FATAL ERROR EXIT FOR MOST ERRORS

Solution - ADDED CODE TO ONLY CALL FATAL ERROR EXIT ON SYSTEM ERRORS

Problem - START UP MESSAGE FOR DIAG INCORRECT

Solution - CHANGED STARTUP MESSAGE AS SPECIFIED BY C.S.S.E.

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MVII DIAG RELEASE NOTES

RRD50

ENHANCEMENTS

REMOVED THE EXTENDED DATA TRANSFER RATE TEST, EXTENDED RELIABILITY TEST, AND THE AUTO SPINDOWN TEST FROM THE FUNCTIONAL SECTION. ADDED THESE TESTS AS INDIVIDUAL UTILITIES TESTS, THEREBY REDUCING THE OVERALL RUNTIME OF THE DIAG. THESE UTILITIES SHOULD BE RUN IF AN ERROR IS EXPECTED IN THESE AREAS.

ADDED CODE IN THE CONF PROCEDURE TO DISABLE THE CONTROLLER IF THE FIRMWARE REVISION OR THE MODEL # IS INCORRECT.

BUG FIX

Problem - DIAG DOES NOT PROVIDE FIRMWARE REV IN CONF PROCEDURE

Solution - ADDED CODE TO OBTAIN FIRMWARE REV IN CONFIGURE

Problem - DIAG DOES NOT INDICATE WHAT FIRMWARE REV IS NEEDED

Solution - ADDED CODE TO INDICATE WHAT FIRMWARE REV IS NEEDED

Problem - DIAG CALLS FATAL ERROR EXIT FOR MOST ERRORS

Solution - ADDED CODE TO ONLY CALL FATAL ERROR ON SYSTEM PROBLEMS

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DHV11 DIAGNOSTIC

PROBLEM - WAIT TIME FOR INTERRUPTS GAVE AN ERROR 140

SOLUTION - THE CSR WAS NOT BEING READ AT THE RIGHT TIME TO GET THE INTERRUPTS. ADDED A COUNT FOR THE NUMBER OF PORTS CONNECTED, COMPARED TO THE NUMBER OF INTERRUPTS RECEIVED.

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VCB01 DIAGNOSTIC

ADDED BOTH SERVICE AND VERIFY MODE FUNCTIONAL AND EXERCISER TESTS.

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DZV11/DZQ11 DIAGNOSTIC

PROBLEM - FAIL TO REPORT MISSING LOOPBACK

SOLUTION - PUT IN A WRITE MESSAGE TO REPORT MISSING LOOPBACK

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DRV11-W DIAGNOSTIC

PROBLEM - HARDWARE ECO ADDED TO DRV11-W, UPGRADING BOARD FROM REV. A TO REV. B.

SOLUTION - CHANGED DIAGNOSTIC TO ACCOMMODATE HARDWARE ECO. DIAGNOSTIC IS DOWNWARD COMPATIBLE FOR ALL DRV11-W BOARDS.

AA-GO3AA-DN

