



Guide to the MicroVAX 3100 Platform Maintenance Information Kit

EK-A0512-MG. B01

March, 1995

Note

Place this guide at the front of the volume in the MicroVAX 3100 Platform Maintenance Information Kit.

This guide describes the manuals in the Maintenance Information Kit for MicroVAX 3100 Model 30 systems in the BA42A enclosure, and MicroVAX 3100 Model 40 and 80 systems in the BA42B enclosure. (Other BA42B-based systems, the MicroVAX Model 85, 90, and 95 systems, are covered in the *BA42B-Based MicroVAX 3100 Systems Service Information Kit, QZ-OOPAA-GZ.*)

This guide tells you how to:

- Order the kits
- Order individual manuals, binders, and spine sets.
- Use the manuals.

This guide also provides a toll-free Digital Services hotline number to call for additional information.

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Contents of the BA42B-Based MicroVAX 3100 Systems Service Information Kit

The MicroVAX 3100 Platform Maintenance Information Kit consists of one volume containing the following:

- *MicroVAX 3100 BA42A Enclosure Maintenance* — This manual contains a brief description of the BA42A enclosure, and information on system installation, configuration, and removal and replacement of the Field Replaceable Units (FRUs).
- *MicroVAX 3100 BA42B Enclosure Maintenance* — This manual contains a brief description of the BA42B enclosure, and information on system installation, configuration, and removal and replacement of the Field Replaceable Units (FRUs).
- *MicroVAX 3100 Model 30/40/80 Supplement* — This is a supplement to the enclosure and CPU maintenance manuals, and contains information about new options.
- *MicroVAX 3100 Platform Options* — This manual contains information about the options that you can install in MicroVAX 3100 Model 30, 40, and 80 systems. This catalog-style manual has one section for each option. In addition to descriptive information, each section provides information under the following headings:
 - Ordering information
 - Option contents
 - Setting of the SCSI ID
 - Installation
 - Diagnostic support
 - Power requirements
- *MicroVAX 3100 Models 30, 40, 80, 85, 90, 95 System Illustrated Parts Breakdown* — This manual provides an illustrated parts breakdown (IPB) of the components in the BA42A and BA42B enclosures. It gives the part number of each component, illustrates each component, and identifies the location of the component in the enclosure.
- *MicroVAX 3100 KA45 CPU System Maintenance* — This manual describes the KA45 CPU module, the associated memory modules, configuration rules, supported options, diagnostic firmware, and troubleshooting procedures.

- *MicroVAX 3100 KA47 CPU System Maintenance* — This manual describes the KA47 CPU module, the associated memory modules, configuration rules, supported options, diagnostic firmware, and troubleshooting procedures.
- *MicroVAX 3100 CPU Reference Information* — This manual describes the console commands and the error codes and messages that the KA45 and KA47 CPU module firmware generates.

Table 1 lists the titles and order numbers of each manual in the MicroVAX 3100 Systems Platform Maintenance Information Kit.

Table 1 BA42B-Based MicroVAX 3100 Systems Service Information Kit

Title	Order Number
<i>MicroVAX 3100 Models 30, 40, 80, 85, 90, 95 System Illustrated Parts Breakdown</i>	EK-MV310-IP. C01
<i>Guide to the MicroVAX 3100 Platform Maintenance Information Kit</i>	EK-A0512-MG. B01
<i>MicroVAX 3100 Platform BA42-A Enclosure Maintenance</i>	EK-A0510-MG. 001
<i>MicroVAX 3100 Platform BA42-B Enclosure Maintenance</i>	EK-A0511-MG. 001
<i>MicroVAX 3100 Models 30/40/80 Supplement</i>	EK-M3148-SI. B01
<i>MicroVAX 3100 Platform KA45 CPU System Maintenance</i>	EK-A0513-MG. 001
<i>MicroVAX 3100 Platform KA47 CPU System Maintenance</i>	EK-A0514-MG. 001
<i>MicroVAX 3100 Platform Options</i>	EK-A0519-MG. B01
<i>BA42B-Based MicroVAX 3100 Systems Service Information Kit (complete kit)</i>	QZ-K44AC-GZ

Table 2 lists the order numbers for the spine set and binder.

Table 2 Order Numbers for Spine Set and Binder

Description	Order Number
MicroVAX 3100 Platform Maintenance Information Kit spine	EK-A0558-SP. B01
Binder, 5.0 cm (2.0 in)	99-07704-01

How to Use the Service Information Kit

The manuals are not meant to be used individually; they should be used as a group.

- *MicroVAX 3100 Platform KA45 CPU System Maintenance.* Use this manual for information about the diagnostic firmware, CPU-specific system configurations, and a list of supported options.
- *MicroVAX 3100 Platform KA47 CPU System Maintenance.* Use this manual for information about the diagnostic firmware, CPU-specific system configurations, and a list of supported options.
- *MicroVAX 3100 Platform BA42A Enclosure Maintenance.* Use this manual for a description of system cabling, the enclosure-specific system configuration, a list of FRUs, and removal and replacement procedures for FRUs.
- *MicroVAX 3100 Platform BA42B Enclosure Maintenance.* Use this manual for a description of system cabling, the enclosure-specific system configuration, a list of FRUs, and removal and replacement procedures for FRUs.
- *MicroVAX 3100 Platform Options.* For each original option in the system, use this manual to determine operating system and diagnostic support, switch and jumper settings for common configurations, and power and bus load values.
- *MicroVAX 3100 Models 30/40/80 Supplement.* For each new option in the system, use this manual to supplement the enclosure and CPU maintenance manuals.
- *MicroVAX 3100 Models 30, 40, 80, 85, 90, 95 System Illustrated Parts Breakdown.* Use this document to find part numbers and descriptions and FRU parts.

Configuration Information

Since system configuration involves the four major components of the system, all the information is not contained in one manual. You should refer to all manuals for full system configuration information:

1. Refer to the *MicroVAX 3100 Platform BA42A Enclosure Maintenance*, the *MicroVAX 3100 Platform BA42B Enclosure Maintenance* and the *MicroVAX 3100 Platform Options Supplement* manuals for enclosure-specific configuration information:
 - Memory capacity (enclosure and CPU dependent)

- Mass storage capacity
 - Enclosure power limitations
 - Cabling restraints (enclosure and CPU dependent)
 - List of options compatible with the enclosure, with power and bus load values
2. Refer to the *MicroVAX 3100 Platform KA45 CPU System Maintenance* or the *MicroVAX 3100 Platform KA47 CPU System Maintenance* manuals for CPU-specific configuration information:
 - Cabling restraints (enclosure and CPU dependent)
 - CPU/memory and I/O cabling
 - List of options supported by the CPU, with power and bus load values
 - Method of determining the CSR address and interrupt vectors
 - Memory capacity (enclosure and CPU dependent)
 3. Refer to the *MicroVAX 3100 Platform CPU Reference* manual for information on console commands, error code information, and error message information.
 4. Refer to the *MicroVAX 3100 Platform Options* and the *MicroVAX 3100 Platform Options Supplement* manuals for option-specific configuration information:
 - Installation of the option
 - Jumper and switch functions

System-Level Diagnostics

The *MicroVAX 3100 Platform CPU Reference* manual contains information about read-only memory (ROM) firmware that you can use to diagnose system problems, console command formats, error code information, and error message information.

How to Order the MicroVAX 3100 Platform Maintenance Information Kit or the Individual Manuals

Customers who have self-maintenance contracts and Digital services personnel can order the MicroVAX 3100 Platform Maintenance Information Kit, the individual manuals, and the spine and binder using the order numbers in Tables 1 and 2.

Customers who have self-maintenance contracts should use the telephone numbers and addresses in Table 3.

Digital services personnel should use the telephone numbers and addresses in Table 4.

Table 3 Ordering Information for Customers

Customer Location	Telephone Number	Address
U.S.A.	(800) 344-4825 FAX (800) 234-2298	Digital Equipment Corporation P.O. Box CS2008 Nashua, NH 03061-2008
Canada	(800) 344-4825 (613) 592-5111 FAX (613) 592-1946	Digital Equipment Corporation Attn: Direct Order Desk 100 Herzberg Road Kanata, Ontario, Canada K2K 2A6
Puerto Rico	(809) 781-0505	Digital Equipment Corporation P.O. Box 11038 San Juan, PR 00910

Table 4 Ordering Information for Digital Services Personnel

Location	Telephone Number	Address
U.S.A.	DTN 264-3030	United States Software Supply Business (USSSB) Digital Equipment Corporation 10 Cotton Road Nashua, NH 03063-1260
Other	DTN 890-2211	European Software Supply Business (ESSB) ILO Digital Equipment International B.V. Mervue Industrial Estate Galway, Ireland

Additional Support

You can call the following tollfree, Customer Service support hotline for additional information about system maintenance:

(800) 354-9000

Atlanta Customer Support Center

This telephone number is applicable only in the United States of America.

