

**ULTRIX-32**  
**Release Notes for**  
**MicroVAX 3800 and 3900 and**  
**VAXserver 3800 and 3900**

Order No. AA-NG53A-TE

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ULTRIX-32, Version 3.0

Digital Equipment Corporation

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## Release Notes

### 1. Installing to Systems That Use the KFQSA Disk Controller

If your system has more than one disk drive on a KFQSA controller, you should edit the system configuration file during installation of the operating system.

Select the **ADVANCED** installation option during installation, and when the system asks you whether you want to edit the configuration file, type **y**.

The following disk entry is correct, but you must edit all others:

```
disk          ra0          at  uq0          drive 0
```

Do the following:

1. Delete all but one disk entry for each controller **uq?** entry.
2. Change the **ra** number.

Make the **ra** numbers sequential. The **ra** entry in the configuration file corresponds to the special device file name in the **/dev** directory which is used to access the disk.

3. Change the drive number.

The drive number must be the same as the unit plug on the front panel of the system used to identify the drive.

If your system does not have a front panel, the drive number should match the unit number switch settings on the drive itself. If you are uncertain what the correct drive numbers are, contact your Field Service Representative.

The following example represents the relevant portion of a configuration file before and after it was edited during the installation. The system in this example has three drives with unit plugs 0, 1, 3.

The incorrect portion of the configuration file looks like this:

```
controller    uda0      at  uba0
controller    uq0      at  uda0      csr 0172150  vector uqintr
disk          ra0      at  uq0      drive 0
controller    uda1      at  uba0
controller    uq17     at  uda1      csr 0160334  vector uqintr
disk          ra1      at  uq17     drive 0
disk          ra2      at  uq17     drive 1
disk          ra3      at  uq17     drive 2
disk          ra4      at  uq17     drive 3
controller    uda2      at  uba0
controller    uq18     at  uda2      csr 0160340  vector uqintr
disk          ra5      at  uq18     drive 0
disk          ra6      at  uq18     drive 1
disk          ra7      at  uq18     drive 2
disk          ra8      at  uq18     drive 3
```

The edited portion of the configuration file looks like this:

```
controller    uq0      at  uda0      csr 0172150  vector uqintr
disk          ra0      at  uq0      drive 0
controller    uda1      at  uba0
controller    uq17     at  uda1      csr 0160334  vector uqintr
disk          ra1      at  uq17     drive 1
controller    uda2      at  uba0
controller    uq18     at  uda2      csr 0160340  vector uqintr
disk          ra2      at  uq18     drive 3
```

Note that only the disk entries must be edited and that the numbers used in this example may not correspond to those on your system.

If you do not do an ADVANCED installation, and your system has more than one disk drive on the KFQSA, the configuration file generated during the installation will be incorrect. You must edit the configuration file and rebuild your kernel after installation is complete.

## 2. /etc/disktab File Entry Must Be Corrected for RF71 Disks

The entry in the /etc/disktab file that defines the number of blocks, the file system's block, and the block fragment sizes on the C partition of RF71 disks is incorrect.

Line 300 of /etc/disktab reads:

```
:pc#781440:#8192:fc#1024:\
```

You should edit it to read as follows before putting a file system on the C partition of any RF71 disk:

```
:pc#781440:bc#8192:fc#1024:\
```

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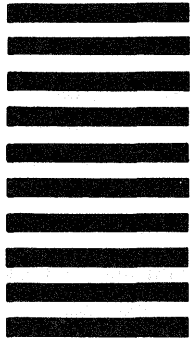
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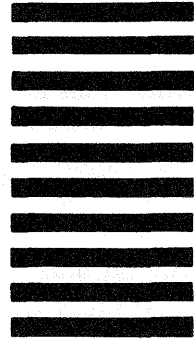
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