



The RZ26B Fixed Disk Drive in the VAXstation 4000

EK-RZ26B-IN. A01

October 1992

This documentation package contains the following information for the RZ26B fixed disk drive:

- Illustration of the RZ26B drive
- SCSI ID settings
- Verifying the installation
- Drive specifications

Your *VAXstation 4000 Options Installation Guide* explains how to install disk drives in your system. You will need this document to set the correct SCSI address for the RZ26B disk.

Insert this document into your *VAXstation 4000 Options Installation Guide* (in the fixed disk drives chapter) for future reference.

Compatibility

The RZ26B can be installed *only* in the Model 60 and Model 90.

© Digital Equipment Corporation 1992. All rights reserved.
The following are trademarks of Digital Equipment Corporation:
TURBOchannel, VAXstation, and the Digital logo.

S2109

The RZ26B Fixed Disk Drive

Preparing Your System

Use the instructions in the *VAXstation 4000 Options Installation Guide* to:

- Shut down your system
- Remove the system unit cover
- Prevent static discharge by touching the “Touch Me First” label on the power supply

Setting the SCSI ID

Before you begin installation of your RZ26B drive, enter the SHOW CONFIG command to find the current SCSI IDs of your devices. In the following example, SCSI IDs 0 and 5 are being used:

```
>>>SHOW CONFIG
```

DEVNBR	DEVNAM	INFO
10	SCSI	OK 0--RZ24 5--TZK10

Make a note of the SCSI IDs of your devices.

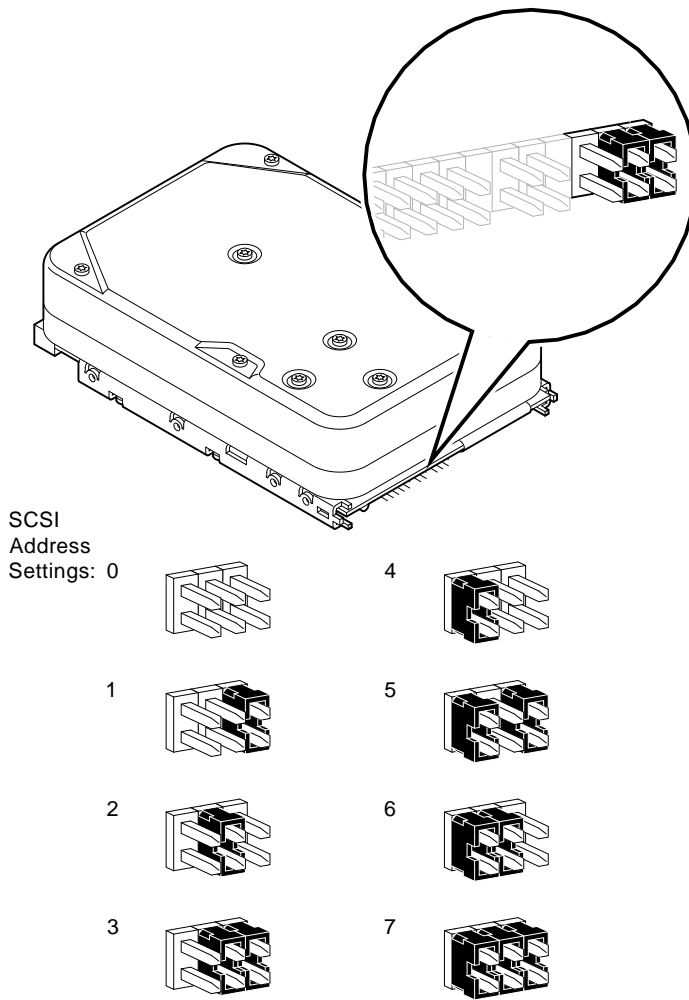
Refer to Figure 1 to choose a SCSI setting for your drive. Digital recommends SCSI settings 0, 1, 2, and 3 for fixed disk drives. Each device must have a unique SCSI ID. Never set two or more devices to the same SCSI ID; the system will not be able to communicate with the devices.

SCSI ID 6 Reserved

Do not use SCSI ID 6 for your drive. It is reserved for the controller.

The RZ26B Fixed Disk Drive

Figure 1 SCSI Settings on the RZ26B Fixed Disk Drive



MLO-009802

Installing the Drive

Follow the instructions in the *VAXstation 4000 Options Installation Guide* to install this drive.

The RZ26B Fixed Disk Drive

Verifying the Installation

Enter the SHOW CONFIG command to verify that your installation was successful.

```
>>>SHOW CONFIG
DEVNBR      DEVNAM      INFO
-----
   10         SCSI         OK
                   0--RZ24   2--RZ26B   5--TZK10
```

In this example the RZ26B drive was set to SCSI ID number 2.

RZ26B Fixed Disk Drive Specifications

Capacity

Table 1 provides the capacity specifications for the RZ26B fixed disk drive.

Table 1 RZ26B Fixed Disk Drive Storage Specifications

Formatted Storage Capacity	
Per drive	1.05 GB
Per surface	80.9 MB
Bytes per block	512
Blocks per track	56 to 96
Blocks per drive	50,860
Spare cylinders	69
Buffer size	256K

RZ26B Fixed Disk Drive Specifications

Performance

Table 2 provides performance specifications for the RZ26B fixed disk drive.

Table 2 RZ26B Performance Specifications

Performance Variable	Operating Conditions
Data transfer rate to/from media	2.6 MB/sec to 4 MB/sec
Data transfer rate to/from buffer	2.5 MB (asynchronous) to 5 MB (synchronous)
Seek time track to track	2.5 msec
Seek time average	10.5 msec
Seek time maximum (full stroke)	22 msec
Average latency	5.56 msec
Rotational speed	5400 rpm
Start time	14 ms (nominal) 20 MS (maximum)
Stop time	20 ms (maximum)
Interleave	1:1

RZ26B Fixed Disk Drive Specifications

Operating Conditions

Table 3 provides the operating conditions for the RZ26B fixed disk drive.

Table 3 RZ26B Drive Operating Conditions

Environmental Variable	Operating Conditions
Ambient temperature	5°C to 50°C (41°F to 122°F)
Relative humidity	8% to 80%
Altitude	-1000 ft to 10,000 ft above sea level
Maximum wet bulb	28°C
Heat dissipation	12.1 W (on idle)
Temperature gradient	12° C per hour

Nonoperating Conditions

Table 4 provides the nonoperating conditions for the RZ26B fixed disk drive.

Table 4 RZ26B Drive Nonoperating Conditions

Environmental Variable	Nonoperating Conditions
Ambient temperature	-40°C to 65°C (-40°F to 149°F)
Relative humidity	5% to 90%
Altitude	-305 M (-1000 ft) to 15,240 M (50,000 ft) above sea level
Maximum wet bulb	28°C
Temperature gradient	30° C per hour