



# Quick installation guide

## Deskstar 4

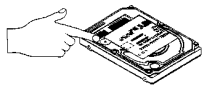
### AT/IDE



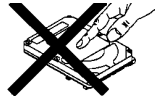
Models: DCAA-32880, DCAA-33610,  
DCAA-34330

#### Handling precautions

1. *Do not cover the breather hole!* Covering the breather hole may result in loss of data.



2. *Do not press on the drive!* Do not apply any force to the drive during handling or installation.



3. Always handle the drive with care to prevent damage from shock, vibration, or electrostatic discharge (ESD).
4. Do not open the static-protective bag containing the drive until required. Static electricity can damage the drive.
5. Turn off & unplug your computer. Remove cover.
6. When installing the drive, touch a grounded, unpainted metal surface with the static-protective package containing the drive for at least two seconds. (This drains static electricity from the package and from your body.)
7. Handle the drive carefully by the edges. Do not touch any exposed printed circuit board.

8. Save the drive packaging material including the ESD bag in the event that the drive must be returned. Place the drive in an anti-static bag before placing it in the shipping container. The warranty will be void if the drive is not returned in IBM approved packaging.

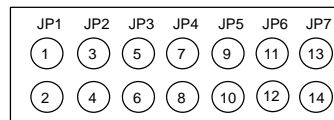
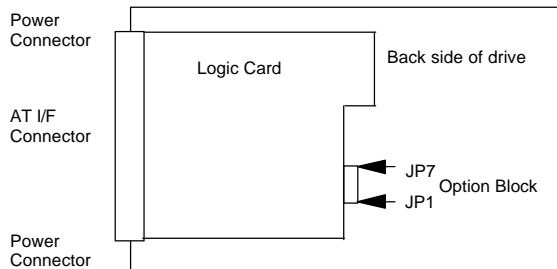
#### Quick installation procedure

Note: It is advisable to backup all data before proceeding with the installation.

If your system BIOS cannot handle large capacity drives (over 540 MB), you may need to use a disk overlay program such as Ontrack's Disk Manager. The following procedure uses the Ontrack Disk Manager software. Information on obtaining a copy of Ontrack's Disk Manager can be found on the Web at [www.ibm.com/harddrive](http://www.ibm.com/harddrive).

#### Setting the jumpers

1. In a one-drive system, configure your new drive as Master (Device 0).
2. In a two-drive system, one drive must be designated as the Master, the other as the Slave (Device 1).
3. When installing the new drive as a Slave, check the Master drive to determine if a jumper change is required to indicate that a Slave drive is present.
4. Consult your manual to see if your computer supports Cable Select before choosing this option.



Master active	JP1
Slave active	JP2
Cable select	JP3
Slave present/	
Master active	JP4 (DCAA)
Reserved	JP4 (DAQA)
Write cached	
disabled	JP5
Reserved	JP6
Reserved	JP7

**Attaching the drive**

1. Turn off the computer, unplug the power cord, and open the case.
2. Match pin 1 of the 40-pin cable to pin 1 of the drive interface connector. Pin 1 is usually denoted by a stripe along the edge of the cable.
3. Attach a power plug to either the 3- or 4-pin power connector.

**Mounting the drive**

1. Mount the drive securely, using the appropriate brackets or rails, in any axes, using four 6-32 UNC metric screws in either bottom or side mounting holes.
2. The maximum screw insertion depth for the bottom mounting is 4 mm and for side mounting 4.5 mm.

**Configuring your computer**

1. If your computer has a plug-in IDE card with a drive installation procedure, follow the manufacturer's instructions.
2. Plug in the power cord and power on your computer. Your computer may detect a configuration change and prompt you to proceed to the Setup screen. If so, proceed to step 4.
3. If your computer does not prompt you to reconfigure, enter your computer's Setup, typically by key selection or keyboard combinations during power-on or during a reboot. Refer to your computer's documentation for the proper key sequence. If the computer fails to boot up, power off, remove the new hard drive and return your system to its original configuration. Reboot and enter your computer's Setup. Follow the directions in step 4, then reattach the new hard drive.
4. Select "Auto Detect" if your computer Setup supports this feature. If your computer does not Auto Detect the drive, select the appropriate UDT (User Definable Type) for the model being installed. Then run Disk Manager.

IBM model number	Cylinders	Heads	Sector /Track	Cap.
DCAA-32880	5,600	16	63	2880MB
DCAA-33610	7,000	16	63	3610MB
DCAA-34330	8,400	16	63	4330MB

**Running Disk Manager**

1. Insert the Ontrack diskette and reboot your computer.
2. Type DM and press [ENTER] to run Disk Manager.
3. Under "Select an Installation Option" select (E)asy Disk Installation.
4. Select a drive for installation; Disk Manager will partition and format the drive.
5. A status dialog will indicate a successful installation.

If, after complete installation, your system will not boot up, recheck all settings. If the system still fails to boot up, remove the new drive from your system to

return to your original configuration and contact technical support.



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[www.ibm.com/harddrive](http://www.ibm.com/harddrive)

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