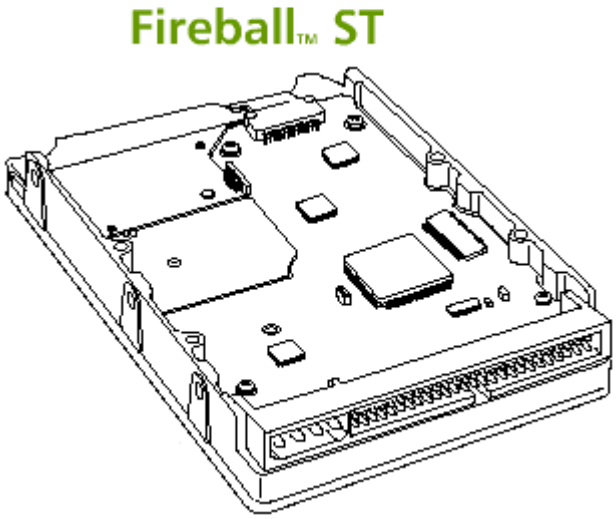


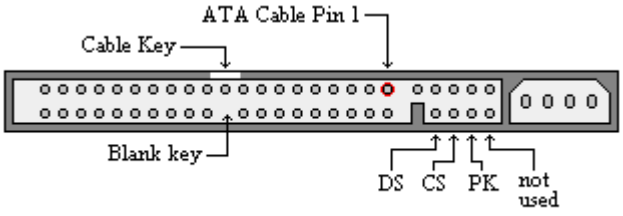
ATA

Jumper Settings

	DS	CS	PK	Rsvd
Stand Alone	ON	OFF	X	OFF
Master with Slave Present	ON	OFF	X	OFF
Slave to Master	OFF	OFF	X	OFF

X = PK is a Parking position. The presence or absence of this jumper has no effect on the drive. Labeling may indicate to place this jumper when configuring as a slave. This is to provide for retention of the jumper in the event it is needed later.

Jumper Locations
The Fireball ST disk drive has only one location where user configurable jumpers are found. The jumper block is incorporated into the IDE / ATA cable connector. Using the jumper pins you can establish the drive Master/Slave configuration.



BIOS Settings
The following BIOS parameters are provided for customers needing to manually configure the Quantum disk drive. Both base 2 and base 10 capacity values are displayed.

	Cylinders	Heads	Sectors	Base 2 Capacity	Base 10 Capacity
1.6 GB	3128	16	63	1,539 MB	1,614 MB
2.1 GB	4092	16	63	2,014 MB	2,111 MB
3.2 GB	6256	16	63	3,079 MB	3,228 MB
4.3 GB	14848	9	63	4,110 MB	4,310 MB
6.4 GB	13328	15	63	6,149 MB	6,448 MB

Special Considerations
Hard drives greater than 2.1GB may need to be divided into multiple partitions / logical drives. MS-DOS versions 4.0 through 6.22 allow a maximum primary partition / logical drive size of 2.1GB and are limited to 8.4GB in physical drive capacity. The file systems supported by Windows-95, Windows-98 and Windows NT are not restricted to the 8.4GB physical drive limit, but special BIOS support is required.

SCSI

Jumper Settings
The following describes the jumper options and settings available on the Fireball ST drive. For more detail on jumper definitions; please refer to the jumper definition section.

Termination Enable (TE)

Enable termination	TE jumper on
Disable termination	TE jumper off

SCSI ID (A2, A1, A0)

Set drive SCSI ID	See ID settings table below

Park (PK)

Used for spare jumper	N/A

Jumper Locations
The Fireball ST disk drive has one location where user configurable jumpers are found. The jumper block for the Fireball ST is found on the disk drive printed circuit board. Using these jumper pins you can establish the various drive configuration options.

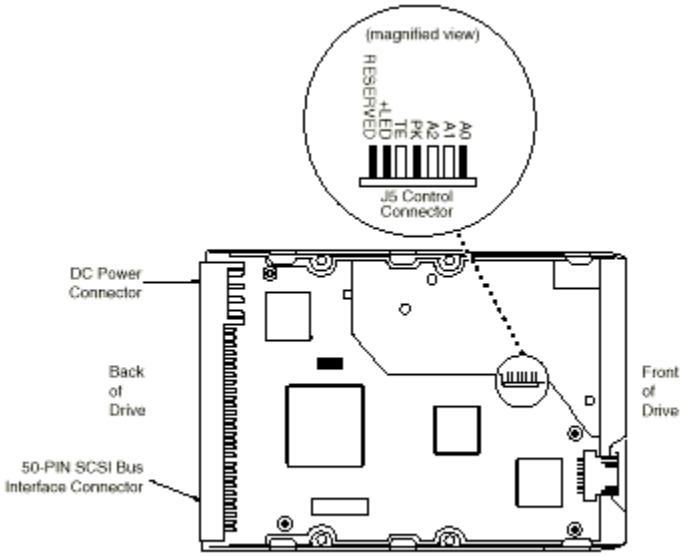


Figure 3-3 *Jumper Locations on the Drive PCB*

The drawing above displays the jumper block physical location.

SCSI ID Settings

The following table identifies the various SCSI ID values and the jumper positions required to set them.

Drive ID	A0	A1	A2
ID 0	OFF	OFF	OFF
ID 1	ON	OFF	OFF
ID 2	OFF	ON	OFF
ID 3	ON	ON	OFF
ID 4	OFF	OFF	ON
ID 5	ON	OFF	ON
ID 6	OFF	ON	ON
ID 7	ON	ON	ON