

IDE Jumper Settings and Locations



IDE DEFINITIONS

Master/Slave Relationship. A master/slave relationship exists when there are two hard drives connected to a single port. In this situation, one drive must be designated as the master, or primary, drive and the other as the slave, or secondary, drive. This designation is necessary because both drives cannot work simultaneously.

Delay Spin. The Delay Spin method is used when a system has multiple drives. Delay Spin reduces high-power surge levels when the computer is started.

Conner Mode. Compaq Computer Corporation has used IDE hard drives that conform to two different master/slave implementations: Conner mode and ATA compatible mode. These two modes are incompatible with one another; therefore, Compaq recommends that both drives, master and slave, must be either ATA compatible or Conner mode for reliable operation.

ATA Mode. ATA mode is a standard that most hard drives are now supporting. Conner mode master/slave was implemented prior to the ATA standard. All current production Compaq IDE drives conform to the ATA master/slave implementation. Some IDE drives supplied by Compaq are jumper-configurable for either Conner or ATA master-slave mode. ATA compatible drives use the DASP- signal to determine that a slave is present, and the PDIAG- signal to indicate the slave is ready. Some ATA compatible drives provide a jumper option to tell the master that a slave is present, and to ignore the DASP- and PDIAG- signals. These cases are documented as (master with non-ATA compatible slave present).

IDE Jumper Settings and Locations

CABLE-SELECT TECHNOLOGY

Some computers use cable-select technology for identifying IDE hard drive device 0 (master) and device 1 (slave), depending on where they are connected on the cable-select cable. The configuration jumpers on both hard drives are set the same. The jumpers are preset for cable-select installation.

Cable-select comparable hard drives and IDE cables are backward compatible with computers that do not support cable select. When a cable-select hard drive is used in a non-cable select computer, the drive jumpers must be reconfigured.

SOFT DRIVE TYPE

Some computers support an automatic soft-drive type mechanism where the system ROM and Computer Setup provide support for IDE hard drives that are not supported in the hard drive parameter table. Computer Setup will automatically build a soft-drive type when it finds that a hard drive is not in the hard drive parameter table. You can also change or add a soft-drive type with Computer Setup.

The hard drive parameter information is stored in NV-RAM. The system ROM's POST copies the hard drive parameters into the hard drive parameter table in the shadow RAM copy of the system ROM. After POST, the soft-drive type appears as a hard drive type. The soft-drive types are assigned to hard drive types as shown in the following table.

SOFT-DRIVE TYPE ASSIGNMENTS

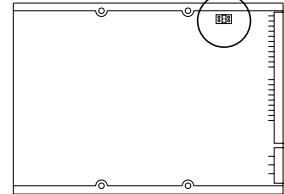
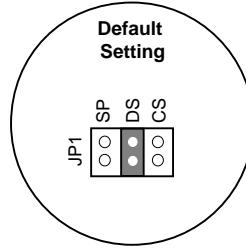
Controller	Drive	Hard Drive Type
Primary	0	65
Primary	1	66
Secondary	0	68
Secondary	1	15

For hard drives larger than 528 MB, the system automatically translates the hard drive parameters for MS-DOS by logically halving the number of cylinders and doubling the number of heads. This allows MS-DOS to access hard drives larger than 528 MB. If you are using an operating system other than MS-DOS, you must use the Compaq Diagnostics Diskette to set up the hard drive parameter without translation.

IDE Jumper Locations and Settings

Drive Size: **40 MB** Model: **ELS40AT**

Quantum Drive
Assembly Number 143344



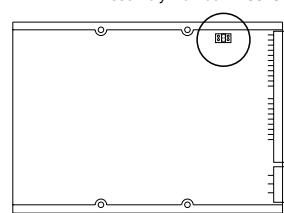
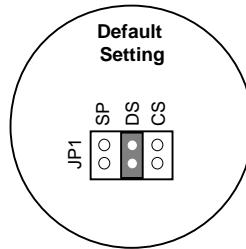
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non- ATA compatible Device 1 present	○	●	●
Cable Select	■	○	○

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **80 MB** Model: **ELS85AT**

Quantum Drive
Assembly Number 143345



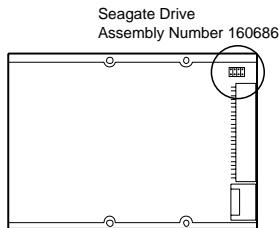
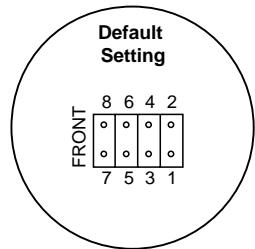
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non- ATA compatible Device 1 present	○	●	●
Cable Select	■	○	○

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **100 MB** Model: **ST3123A**

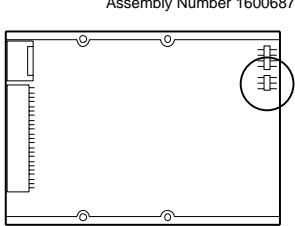
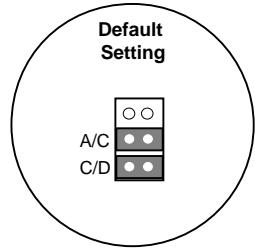


IDE Settings

Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Drive is Device 1 to an ATA compatible drive	●	○	○	○
Drive is Device 0; a Non-ATA compatible Device 1 is present	○	●	○	○
Factory test (Do Not Use!)	○	○	●	○
Reserved (Do Not Use!)	○	○	○	●

Key ○ Jumper NOT Installed
 ● Jumper Installed

Drive Size: **100 MB** Model: **CFS210A**



IDE Settings

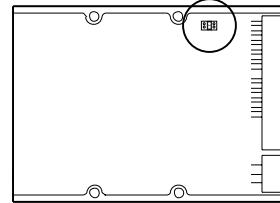
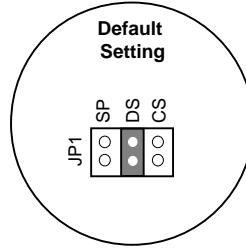
Configuration	Signal	Pins
Open: Drive will act as Device 1 Closed: Drive will act as Device 0	C/D	○
	C/D	●
Open: Device 0/Device 1 mode Closed: ATA compatible Device 0/Device 1 mode	A/C	○
	A/C	●

Key ○ Jumper NOT Installed
 ● Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **120 MB** Model: **ELS127AT**

Quantum Drive
Assembly Number 143343



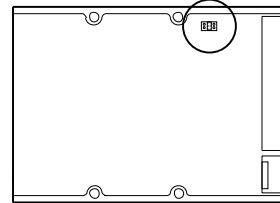
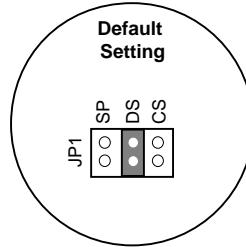
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **120 MB** Model: **LPS120AT**

Quantum Drive
Assembly Number 141647



IDE Settings

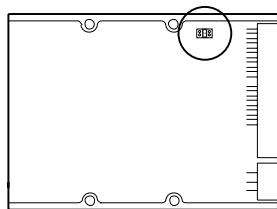
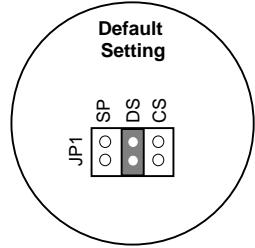
Configuration	CS	DS	SP
Device 1	○	○	○
Self-Seek	○	○	●
Device 0 (using DASP)	○	●	○
Device 0 (in PDIAG)	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **120 MB** Model: **LPS120AT**

Quantum Drive
Assembly Number 137774



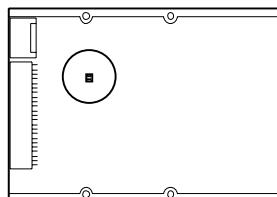
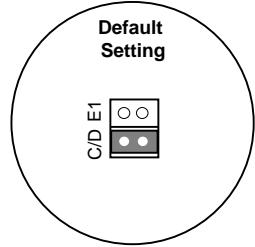
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■
Cable Select	■	○	○

Key ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **120 MB** Model: **CP30121E**

Conner Drive
Assembly Number 131390



IDE Settings

Configuration	Device 0		Device 1	
	C/D	E1	C/D	E1
Single Drive	■	○	n/a	n/a
Dual Drive	■	○	○	○

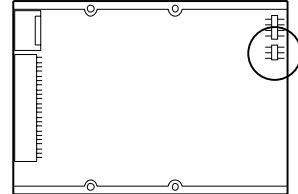
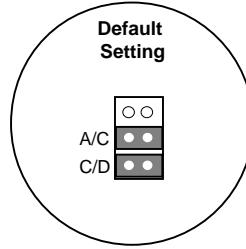
*Supports Conner mode only.

Key ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **120 MB** Model: **CFS210A**

Conner Drive
Assembly Number 137772



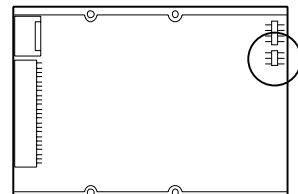
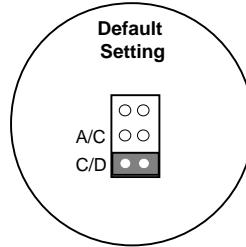
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1 Closed: Drive will act as Device 0	C/D	○
	C/D	■
Open: Device 0/Device 1 mode Closed: ATA compatible Device 0/Device 1 mode	A/C	○
	A/C	■

Key ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **120 MB** Model: **CP30121**

Conner Drive
Assembly Number 147203



IDE Settings

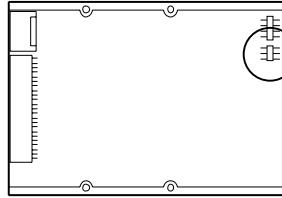
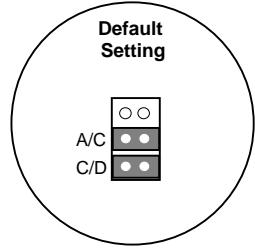
Configuration	Signal	Pins
Open: Drive will act as Device 1 Closed: Drive will act as Device 0	C/D	○
	C/D	■
Open: Device 0/Device 1 mode Closed: ATA compatible Device 0/Device 1 mode	A/C	○
	A/C	■

Key ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **170 MB** Model: **CP30171**

Conner Drive
Assembly Number 194328



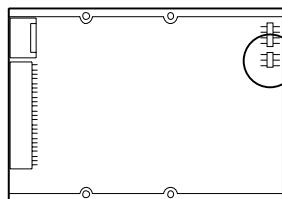
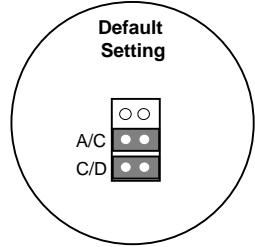
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
Closed: Drive will act as Device 0	C/D	■
Open: Device 0/Device 1 mode	A/C	○
Closed: ATA compatible Device 0/Device 1 mode	A/C	■

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **170 MB** Model: **CFS210A**

Conner Drive
Assembly Number 137773



IDE Settings

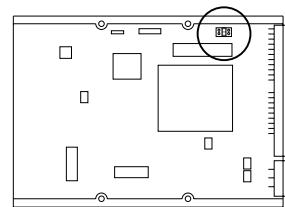
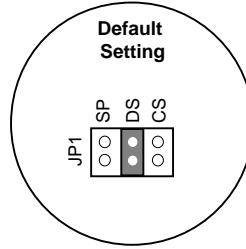
Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
Closed: Drive will act as Device 0	C/D	■
Open: Device 0/Device 1 mode	A/C	○
Closed: ATA compatible Device 0/Device 1 mode	A/C	■

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **170 MB** Model: **LPS170AT**

Quantum Drive
Assembly Number 168727



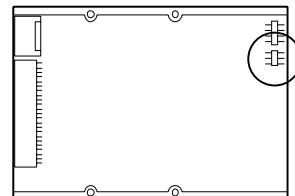
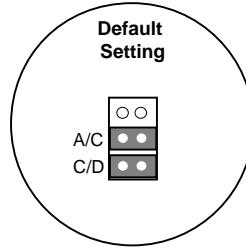
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **200 MB** Model: **CFS210A**

Conner Drive
Assembly Number 160689



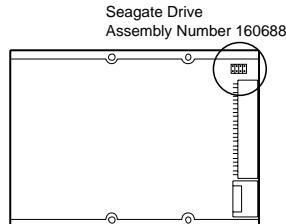
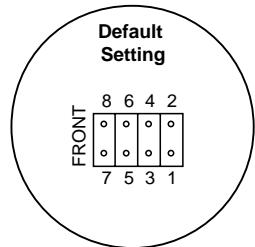
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
	C/D	●
Closed: Drive will act as Device 0	A/C	○
	A/C	●
Open: Device 0/Device 1 mode		1 and 2
		3 and 4
Closed: ATA compatible Device 0/Device 1 mode		

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **200 MB** Model: **ST3243A**

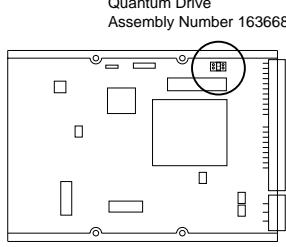
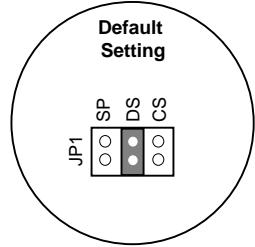


IDE Settings

Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Drive is Device 1 to an ATA compatible drive	●	○	○	○
Drive is Device 0; a Non-ATA compatible Device 1 is present	○	●	○	○
Factory test (Do Not Use!)	○	○	●	○
Reserved (Do Not Use!)	○	○	○	●

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **200 MB** Model: **LPS210A**



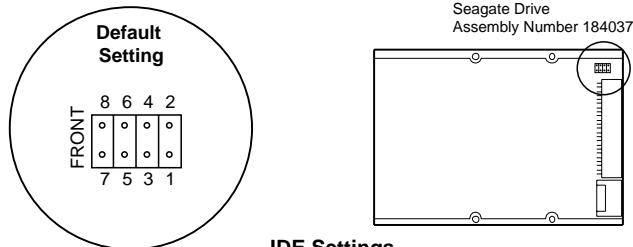
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **200 MB** Model: **ST3250A**

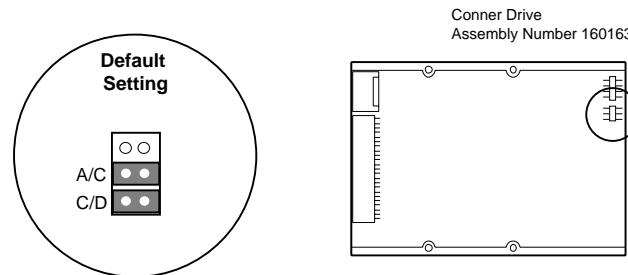


IDE Settings

Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Cable Select	○	■	○	○
Drive is Device 0; Device 1 does not have a DASP - signal	■	○	○	○
Drive is Device 0; a Non-ATA compatible Device 1 is present	○	○	■	○
Factory test (Do Not Use!)	○	○	■	■

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **240 MB** Model: **CFA240A**



IDE Settings

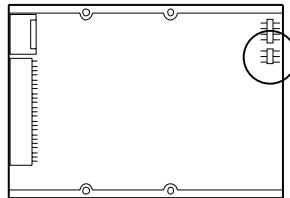
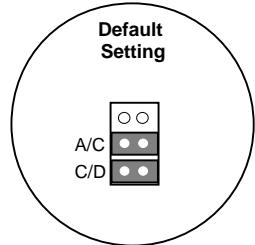
Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
Closed: Drive will act as Device 0	C/D	■
Open: Device 0/Device 1 mode	A/C	○
Closed: ATA compatible Device 0/Device 1 mode	A/C	■

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **240 MB** Model: **CP30251**

Conner Drive
Assembly Number 147204



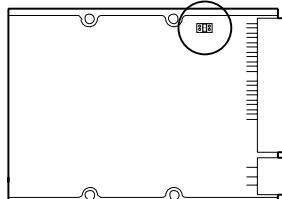
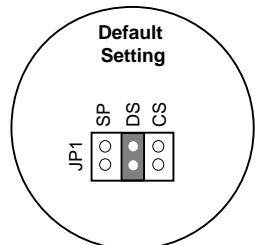
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○ ○
Closed: Drive will act as Device 0	C/D	■ ■
Open: Device 0/Device 1 mode	A/C	○ ○
Closed: ATA compatible Device 0/Device 1 mode	A/C	■ ■

Key ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **240 MB** Model: **LPS240AT**

Quantum Drive
Assembly Number 141086



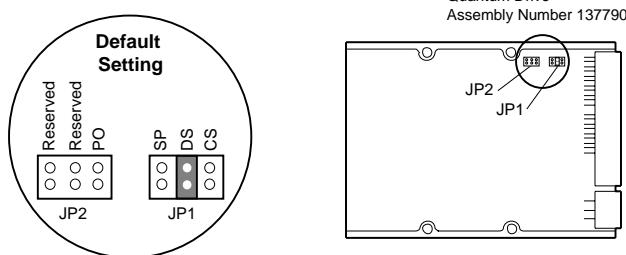
IDE Settings

Configuration	CS	DS	SP
Device 1	○	○	○
Self-Seek	○	○	■ ■
Device 0 (using DASP)	○	■ ■	○
Device 0 (in PDIAG)	○	■ ■	■ ■
Cable Select	■ ■	○	○

Key ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **240 MB** Model: **LPS240**

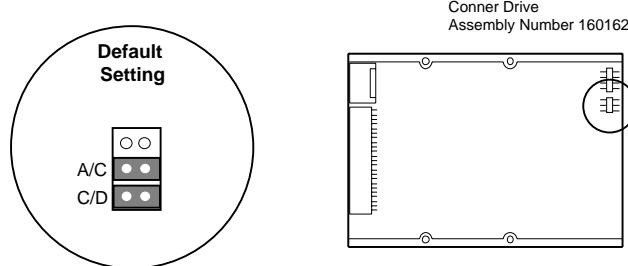


IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **270 MB** Model: **CFA270A**



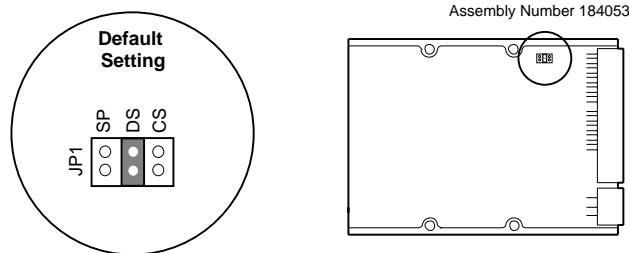
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
Closed: Drive will act as Device 0	C/D	●
Open: Device 0/Device 1 mode	A/C	○
Closed: ATA compatible Device 0/Device 1 mode	A/C	●
		1 and 2
		3 and 4

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **270 MB** Model: **270AT**

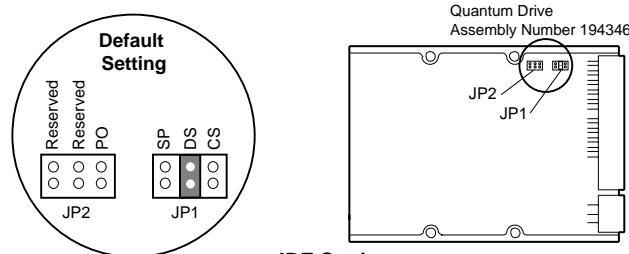


IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	■
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■
Cable Select	■	○	○

Key: ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **270 MB** Model: **LPS270**



IDE Settings

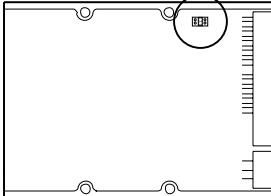
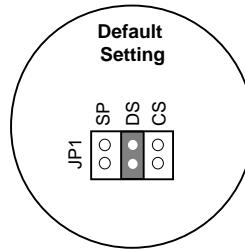
Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■	○
Cable Select	■	○	○	○
Drive is Device 0 with non-ATA Conner as Device 1	○	■	○	■

Key: ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **270 MB** Model: **270AT**

Quantum Drive
Assembly Number 172772



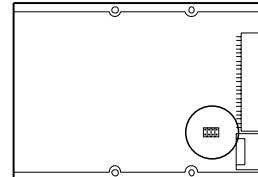
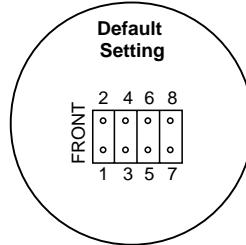
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	■
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■
Cable Select	■	○	○

Key ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **270 MB** Model: **ST3295A**

Seagate Drive
Assembly Number 184252



IDE Settings

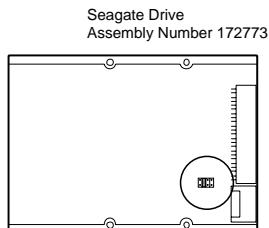
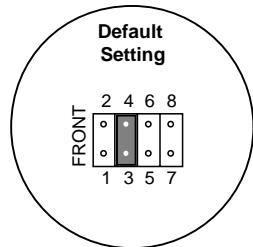
Configuration	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○
Drive is Device 1 to an ATA compatible drive	○	○	■
Drive is Device 0; a Non-ATA compatible Device 1 is present	○	■	○
Cable Select	■	○	○

Key ○ Jumper NOT Installed
■ Jumper Installed

IMPORTANT: When using a 270-MB Seagate hard drive as a device 0 to a dual-speed CD-ROM, jumper the drive as device 0 with a non-ATA compatible device 1 present (5 and 6).

IDE Jumper Settings and Locations

Drive Size: **270 MB** Model: **ST3295A**



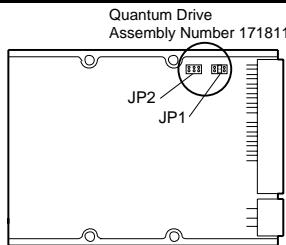
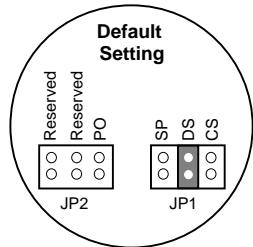
IDE Settings

Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Drive is Device 0; Device 1 is present, but it does not have a DASP - signal	■	○	○	○
Cable Select	○	■	○	○
Drive is Device 0; Device 1 is present, but it is not ATA-compatible	○	○	■	○
The drive is Device 1 to an ATA-compatible Device 0	○	○	○	■

Key ○ Jumper NOT Installed
 ■ Jumper Installed

IMPORTANT: When using a 270-MB Seagate hard drive as a device 0 to a dual-speed CD-ROM, jumper the drive as device 0 with a non-ATA compatible device 1 present (5 and 6).

Drive Size: **270 MB** Model: **270AT**



IDE Settings

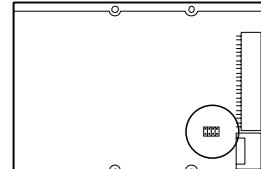
Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	■	○
Drive is Device 1 to ATA compatible drive	○	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■	○
Cable Select	■	○	○	○
Drive is Device 0 with non-ATA Conner as Device 1	○	■	○	■

Key ○ Jumper NOT Installed
 ■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **340 MB** Model: **ST3391**

Seagate Drive
Assembly Number 184150



Default Setting

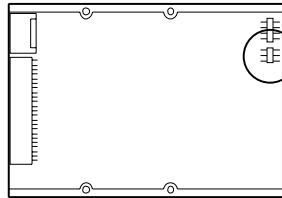
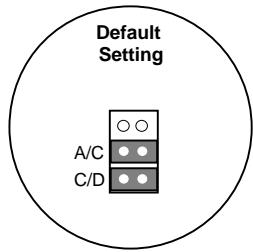
Configuration	5&6	7&8
Drive is a master; the slave is another ATA compatible drive or no slave is present	○	○
Drive is a slave to an ATA compatible drive	○	■
Drive is a master; a Non-ATA compatible slave is present	■	○
Factory Test (Do Not Use!)	■	■

Key ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **340 MB** Model: **CFS420A**

Conner Drive
Assembly Number 164830



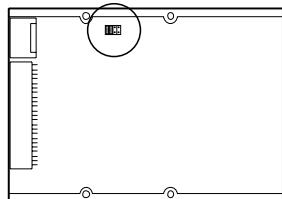
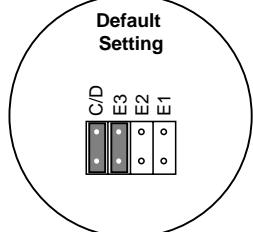
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
Closed: Drive will act as Device 0	C/D	■
Open: Device 0/Device 1 mode	A/C	○
Closed: ATA compatible Device 0/Device 1 mode	A/C	■

Key ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **340 MB** Model: **CP3361**

Conner Drive
Assembly Number 123785



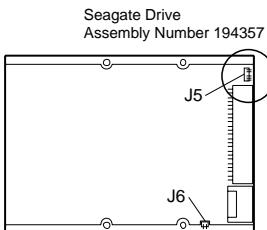
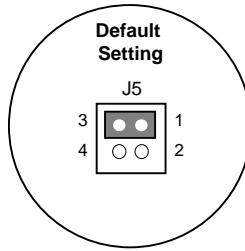
IDE Settings

Configuration	E1	E2	E3	C/D
Drive is Device 0 to non-ATA compatible drive	○	○	■	■
Drive is Device 1 to non-ATA compatible drive	○	○	■	○
Delayed spin option for IDA	■	○	■	■

Key ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **340 MB** Model: **ST3390A**



(J5) IDE Settings

(J6) IDE Settings

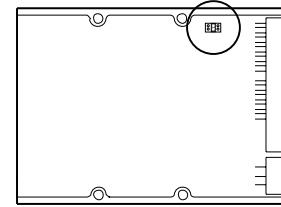
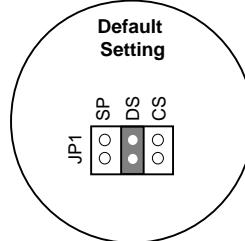
Configuration	Signal	Pins	Configuration	Signal	Pins
(no function, holds jumper)		1-3	Single Drive		3-1
CAM/ATA Device 0/Device 1 mode	○	3-4		○○	4-2
	○	1-2	Device 0	○	1-2
CPQ/Conner Device 0/Device 1 mode	■	3-4		■■	3-4
	○	1-2	Device 1	○	3-4

Key Jumper NOT Installed Jumper Installed

Note: If Device 1 to Quantum Device 0, Quantum should have jumpers DS, and SP installed

Drive Size: **340 MB** Model: **LPS340AT**

Quantum Drive Assembly Number 198375



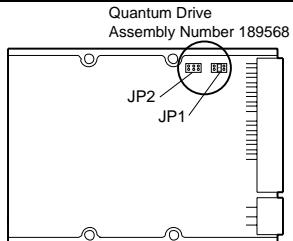
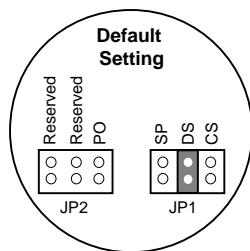
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	○
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■■	■■
Cable Select	■	○	○

Key Jumper NOT Installed Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **340 MB** Model: **365AT**



IDE Settings

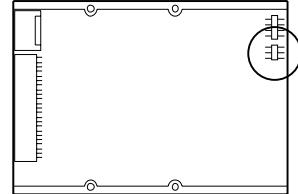
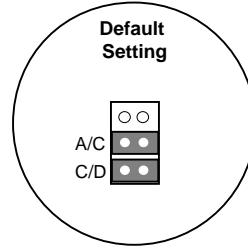
Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	■	○
Drive is Device 1 to ATA compatible drive	○	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	●	■	○
Cable Select	■	○	○	○
Drive is Device 0 with non-ATA Conner as Device 1	○	●	○	■

Key: ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **420 MB** Model: **CFS420A**

Conner Drive
Assembly Number 137867



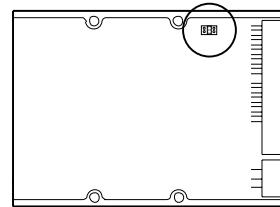
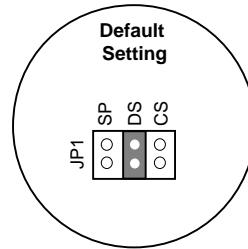
IDE Settings

Configuration	Signal	Pins
Open: Drive will act as Device 1	C/D	○
Closed: Drive will act as Device 0	C/D	■
Open: Device 0/Device 1 mode	A/C	○
Closed: ATA compatible Device 0/Device 1 mode	A/C	■
		1 and 2
		3 and 4

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **420 MB** Model: **LPS420AT**

Quantum Drive
Assembly Number 177079



IDE Settings

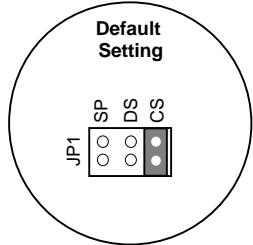
Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	■■
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■■	■■
Cable Select	■	○	○

Key Jumper NOT Installed
 Jumper Installed

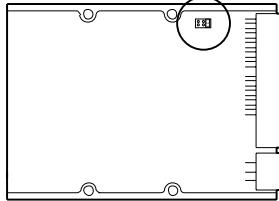
IDE Jumper Settings and Locations

Drive Size: **420 MB** Model: **Trailblazer**

Quantum Drive
Assembly Number 214122



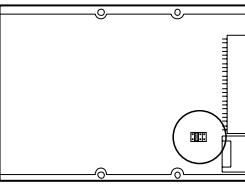
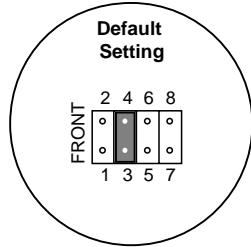
Jumper Setting
for Cable Select



Key Jumper NOT Installed
 Jumper Installed

Drive Size: **420 MB** Model: **ST3491A**

Seagate Drive
Assembly Number 189585



IDE Settings

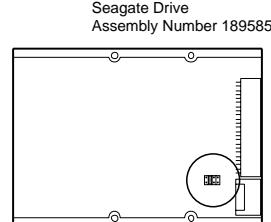
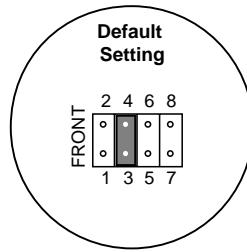
Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Drive is Device 0; Device 1 is present, but it does not have a DASP - signal	■	○	○	○
Cable Select	○	■	○	○
Drive is Device 0; Device 1 is present, but it is not ATA-compatible	○	○	■	○
The drive is Device 1 to an ATA-compatible Device 0	○	○	○	■

Key Jumper NOT Installed
 Jumper Installed

IMPORTANT: When using a 420-MB Seagate hard drive as a device 0 to a dual-speed CD-ROM, jumper the drive as device 0 with a non-ATA compatible device 1 present (5 and 6).

IDE Jumper Settings and Locations

Drive Size: **420 MB** Model: **ST3491**



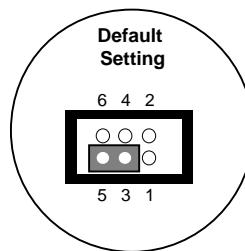
IDE Settings

Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Drive is Device 0; Device 1 is present, but it does not have a DASP - signal	■	○	○	○
Cable Select	○	■	○	○
Drive is Device 0; Device 1 is present, but it is not ATA-compatible	○	○	■	○
The drive is Device 1 to an ATA-compatible Device 0	○	○	○	■

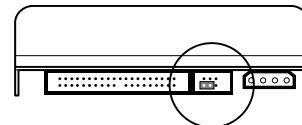
Key: ○ Jumper NOT Installed
■ Jumper Installed

IMPORTANT: When using a 420-MB Seagate hard drive as a device 0 to a dual-speed CD-ROM, jumper the drive as device 0 with a non-ATA compatible device 1 present (5 and 6).

Drive Size: **420 MB** Model: **WDC AC2420H**



Western Digital Drive
Assembly Number 177167



Jumper Setting
for Cable Select

IDE Settings

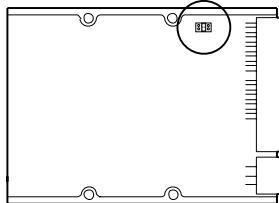
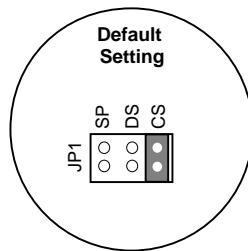
Configuration	1-2	3-4	5-6
Single drive configuration	○	○	○
Device 0 configuration	○	○	■
Device 1 configuration	○	○	○
Cable select configuration	■	○	○
Spare Jumper	○	■	○

Key: ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **420 MB** Model: **LPS420AT**

Quantum Drive
Assembly Number 172774



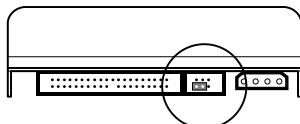
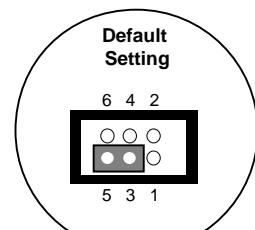
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	■
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■
Drive is configured for cable select	■	○	○

Key ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **420 MB** Model: **WDC AC2420H**

Western Digital Drive
Assembly Number 189588



IDE Settings

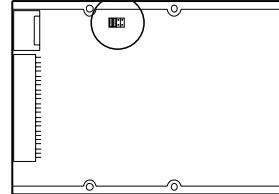
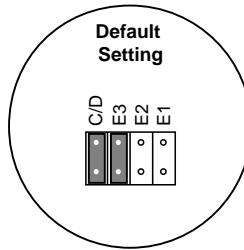
Configuration	1-2	3-4	5-6
Single drive configuration	○	○	○
Device 0 configuration	○	○	■
Device 1 configuration	○	■	○
Cable select configuration	■	○	○
Spare Jumper	○	■	○

Key ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **510 MB** Model: **CP3541**

Conner Drive
Assembly Number 123786



IDE Settings

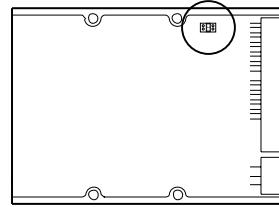
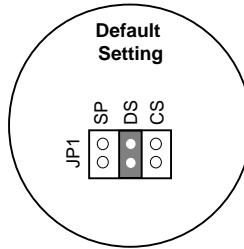
Configuration	E1	E2	E3	C/D
Drive is Device 0 to non-ATA compatible drive	○	○	●	●
Drive is Device 1 to non-ATA compatible drive	○	○	●	○
Delayed spin option for IDA	●	○	●	●

Key Jumper NOT Installed Jumper Installed

* Supports Conner mode only.

Drive Size: **525 MB** Model: **540AT**

Quantum Drive
Assembly Number 184054



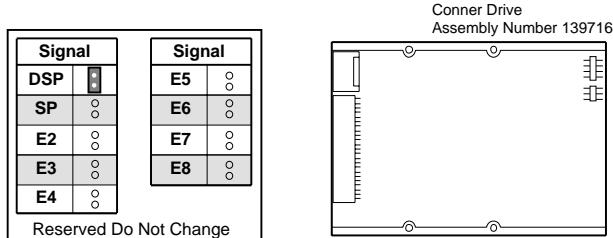
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	●
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	●	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **525 MB** Model: **CP30541**

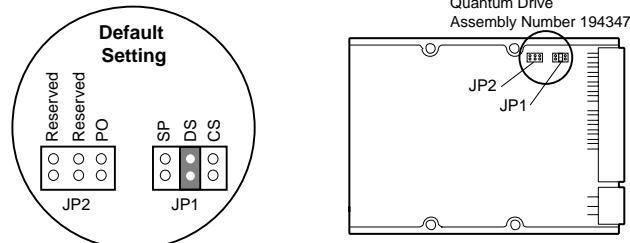


IDE Settings

Configuration	Signal
Open: Drive will act as Device 1	C/D ○
Closed: Drive will act as Device 0	C/D ▀
Open: Device 0/Device 1 mode	E1 ○
Closed: ATA compatible Device 0/Device 1 mode	E1 ▀
Open: Delayed spin disabled	NSPN ○
Closed: Delayed spin enabled	NSPN ▀

Key ○ Jumper NOT Installed
▀ Jumper Installed

Drive Size: **525 MB** Model: **LPS540**



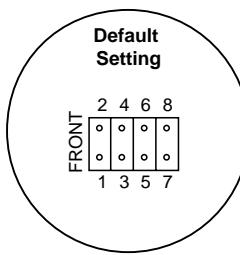
IDE Settings

Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	▀	▀
Drive is Device 1 to ATA compatible drive	○	○	○	▀
Drive is Device 0 with ATA compatible Device 1 present	○	▀	○	▀
Drive is Device 0 with non-ATA compatible Device 1 present	○	▀	▀	▀
Cable Select	▀	○	○	▀
Drive is Device 0 with non-ATA Conner as Device 1	○	▀	○	▀

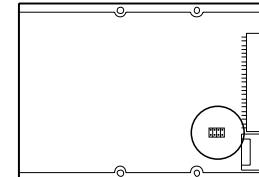
Key ○ Jumper NOT Installed
▀ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **525 MB** Model: **ST3660A**



Seagate Drive
Assembly Number 171774



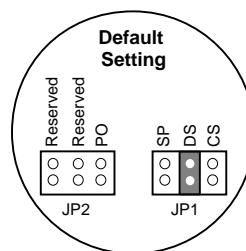
IDE Settings

Configuration	3&4	5&6	7&8
Drive is a Device 0; The Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○
Drive is a Device 1 to an ATA compatible drive	○	○	■■
Drive is a Device 0; a Non-ATA compatible Device 1 is present	○	■■	○
Cable Select	■■	○	○

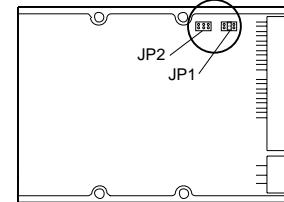
Key Jumper NOT Installed
 Jumper Installed

IMPORTANT: When using a 525-MB Seagate hard drive as a device 0 to a dual-speed CD-ROM, jumper the drive as device 0 with a non-ATA compatible device 1 present (5 and 6).

Drive Size: **525 MB** Model: **540AT**



Quantum Drive
Assembly Number 171812



IDE Settings

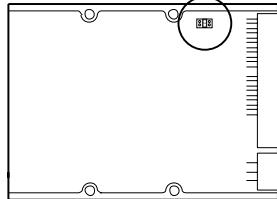
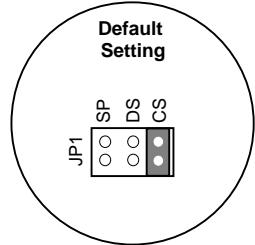
Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	■	○
Drive is Device 1 to ATA compatible drive	○	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■■	○	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■■	■■	○
Cable Select	■■	○	○	○
Drive is Device 0 with non-ATA Conner as Device 1	○	■■	○	■■

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **540 MB** Model: **540AT**

Quantum Drive
Assembly Number 172851



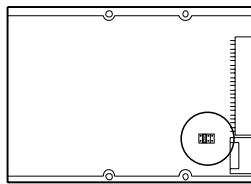
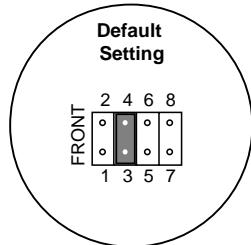
IDE Settings

Configuration	CS	DS	SP
Drive is Device 1 to non-ATA compatible drive	○	○	■
Drive is Device 1 to ATA compatible drive	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	○
Cable Select	■	○	○

Key: ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **540 MB** Model: **ST3660A**

Seagate Drive
Assembly Number 172852



IDE Settings

Configuration	1&2	3&4	5&6	7&8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
Drive is Device 0; Device 1 is present, but it does not have a DASP - signal	■	○	○	○
Cable Select	○	■	○	○
Drive is Device 0; Device 1 is present, but it is not ATA-compatible	○	○	■	○
The drive is Device 1 to an ATA-compatible Device 0	○	○	○	■

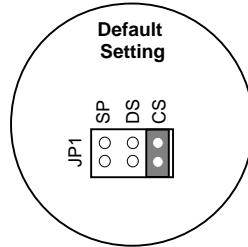
Key: ○ Jumper NOT Installed
■ Jumper Installed

IMPORTANT: When using a 540-MB Seagate hard drive as a device 0 to a dual-speed CD-ROM, jumper the drive as device 0 with a non-ATA compatible device 1 present (5 and 6).

IDE Jumper Settings and Locations

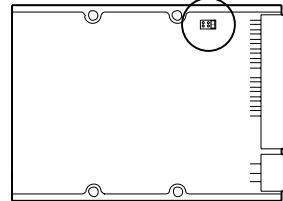
Drive Size: **540 MB** Model: **Fireball**

Quantum Drive
Assembly Number 200346



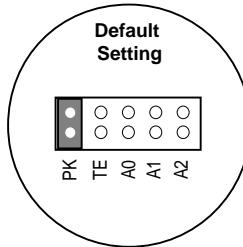
Jumper Setting
for Cable Select

Key Jumper NOT Installed
 Jumper Installed



Drive Size: **540 MB** Model: **FIREBALL 540**

Quantum Drive
Assembly Number 200346



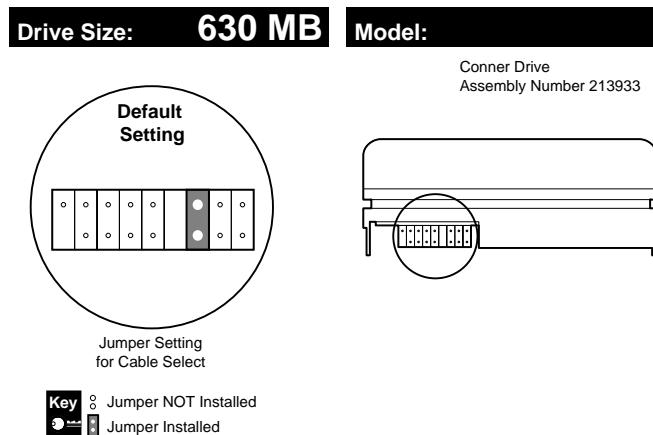
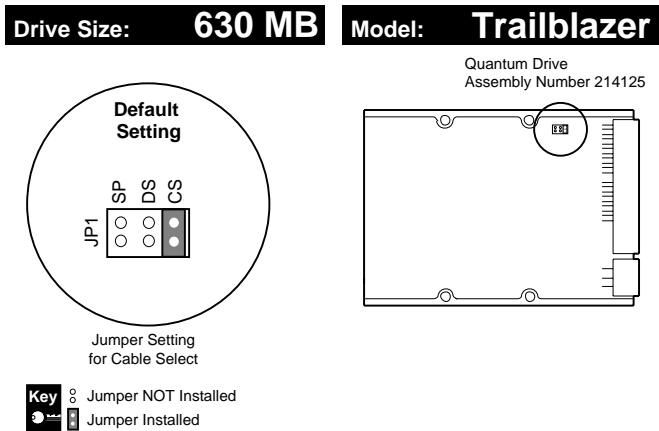
Jumper Setting
for Cable Select

SCSI ID Settings

Description	A0	A1	A2	TE	PK
SCSI Address 0					
SCSI Address 1					
SCSI Address 2					
Enable Active Termination					
No Function					

Key Jumper NOT Installed
 Jumper Installed

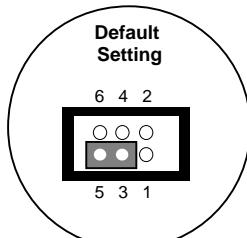
IDE Jumper Settings and Locations



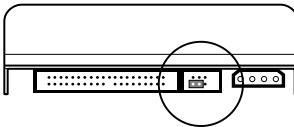
IDE Jumper Settings and Locations

Drive Size: **630 MB** Model: **STURGEON 2**

Western Digital Drive
Assembly Number 214121



Jumper Setting
for Cable Select



IDE Settings

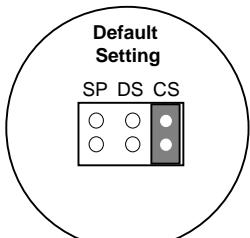
Configuration	1-2	3-4	5-6
Single drive configuration	○	○	○
Device 0 configuration	○	○	■
Device 1 configuration	○	■	○
Cable select configuration	■	○	○
Spare Jumper	○	○	■

Key: ○ Jumper NOT Installed

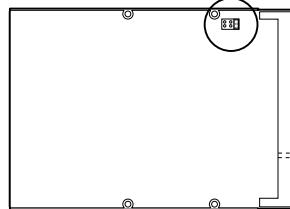
■ Jumper Installed

Drive Size: **630 MB** Model: **FIREBALL 2**

Quantum Drive
Assembly Number 185049



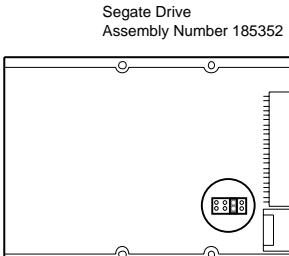
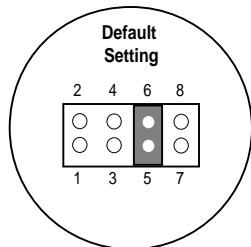
Jumper Setting
for Cable Select



Key: ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **630 MB** Model: **ST3630A**



IDE Settings

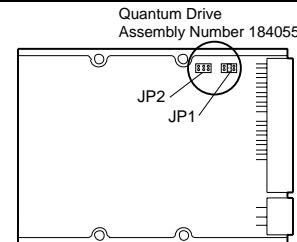
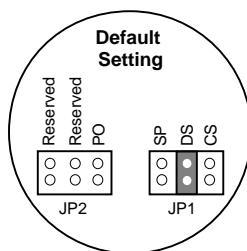
Configuration	1-2	3-4	5-6	7-8
Drive is Device 0; Device 1 is another ATA compatible drive or no Device 1 is present	○	○	○	○
The drive is Device 1 to an ATA-compatible Device 0	○	○	○	■
Drive is Device 0; Device 1 is present, but it is not ATA-compatible	○	○	■■	○
Cable Select	○	■■	○	○
Drive is Device 0; Device 1 is present, but it is not ATA-compatible	■■	○	○	○

Key: ○ Jumper NOT Installed

■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **720 MB** Model: **730AT**



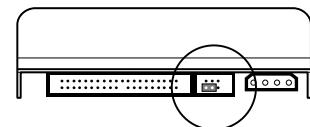
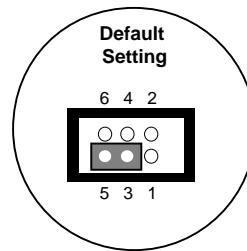
IDE Settings

Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	■	○
Drive is Device 1 to ATA compatible drive	○	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■	○
Cable Select	■	○	○	○
Drive is Device 0 with non-ATA Conner as Device 1	○	■	■	■

Key: ○ Jumper NOT Installed
■ Jumper Installed

Drive Size: **720 MB** Model: **STURGEON 2**

Western Digital Drive
Assembly Number 214313



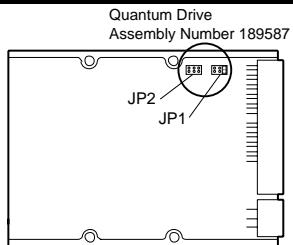
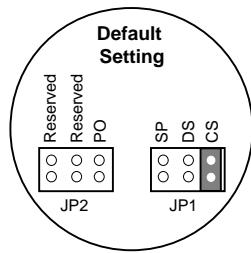
IDE Settings

Configuration	1-2	3-4	5-6
Single drive configuration	○	○	○
Device 0 configuration	○	○	■
Device 1 configuration	○	■	○
Cable select configuration	■	○	○
Spare Jumper	○	■	■

Key: ○ Jumper NOT Installed
■ Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **725 MB** Model: **730A-2**



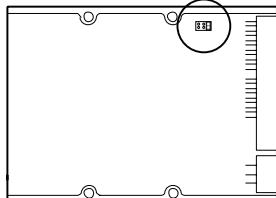
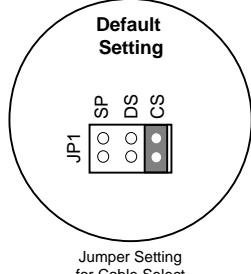
IDE Settings

Configuration	CS	DS	SP	PO
Drive is Device 1 to non-ATA compatible drive	○	○	■	○
Drive is Device 1 to ATA compatible drive	○	○	○	○
Drive is Device 0 with ATA compatible Device 1 present	○	■	○	○
Drive is Device 0 with non-ATA compatible Device 1 present	○	■	■	○
Cable Select	■	○	○	○
Drive is Device 0 with non-ATA Conner as Device 1	○	■	○	■

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **840 MB** Model: **Trailblazer**

Quantum Drive
Assembly Number 214124



Jumper Setting
for Cable Select

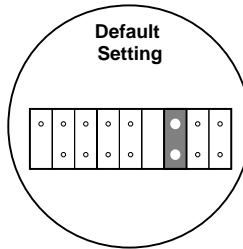
Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

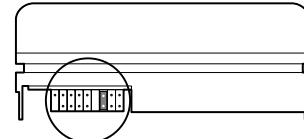
Drive Size: **840 MB**

Model:

Conner Drive
Assembly Number 213932



Jumper Setting
for Cable Select

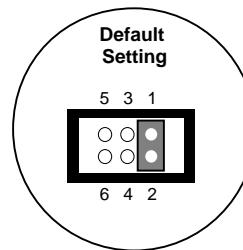


Key Jumper NOT Installed
 Jumper Installed

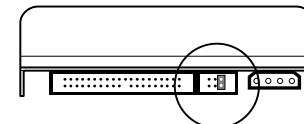
Drive Size: **840 MB**

Model: **STURGEON II**

Western Digital Drive
Assembly Number 214120



Jumper Setting
for Cable Select

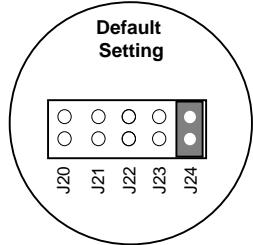


Key Jumper NOT Installed
 Jumper Installed

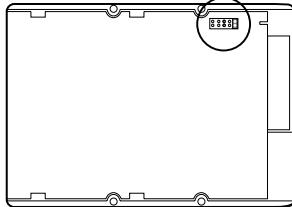
IDE Jumper Settings and Locations

Drive Size: **1.0 GB** Model: **71084AP**

Maxtor Drive
Assembly Number 214077



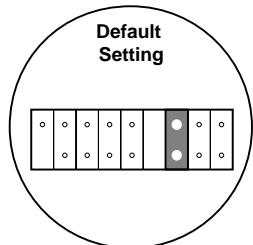
Jumper Setting
for Cable Select



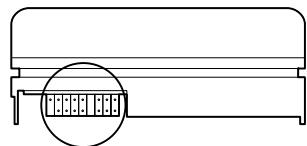
Key Jumper NOT Installed
 Jumper Installed

Drive Size: **1.05 GB** Model: **CFS1060A**

Conner Drive
Assembly Number 213935



Jumper Settings
for Cable Select

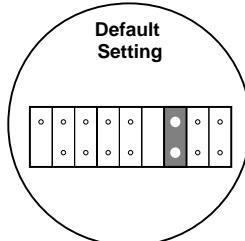


Key Jumper NOT Installed
 Jumper Installed

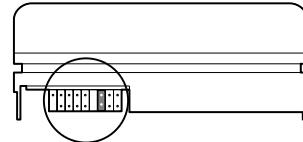
IDE Jumper Settings and Locations

Drive Size: **1.05 GB** Model: **CFS1060A**

Conner Drive
Assembly Number 247414



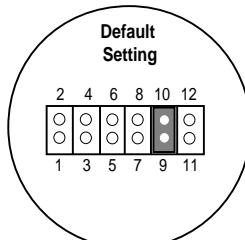
Jumper Setting
for Cable Select



Key Jumper NOT Installed
 Jumper Installed

Drive Size: **1.08 GB** Model: **ST51080A**

Segate Drive
Assembly Number 173206



Jumper Setting
for Cable Select

IDE Settings

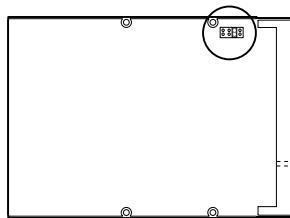
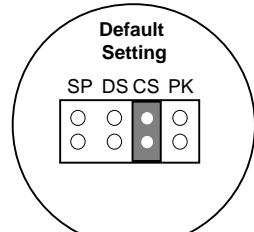
Configuration	1-2	3-4	5-6	7-8	9-10	11-12
Drive is single drive, Device 0						
Drive is Device 1, Device 0 is present						
Drive is Device 0, Device 1 is present						
Cable Select						

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **1080 MB** Model: **TEMPEST**

Quantum Drive
Assembly Number 243040



Jumper Setting
for Cable Select



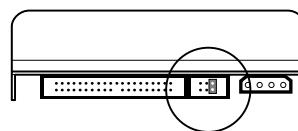
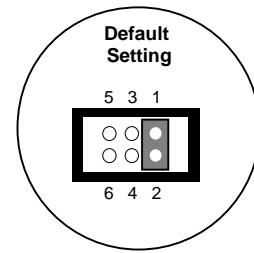
Jumper NOT Installed



Jumper Installed

Drive Size: **1080 MB** Model: **STURGEON II**

Western Digital Drive
Assembly Number 243041



Jumper Setting
for Cable Select



Jumper NOT Installed

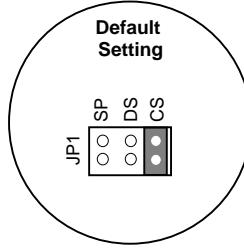


Jumper Installed

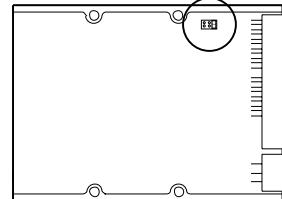
IDE Jumper Settings and Locations

Drive Size: **1.08 GB** Model: **Fireball**

Quantum Drive
Assembly Number 214123



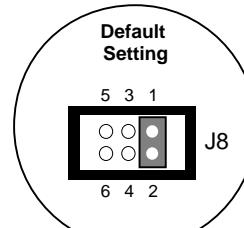
Jumper Setting
for Cable Select



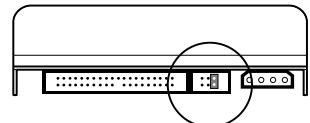
Key Jumper NOT Installed
 Jumper Installed

Drive Size: **1.08 GB** Model: **AC31000**

Western Digital Drive
Assembly Number 214127



Jumper Setting
for Cable Select



IDE Settings

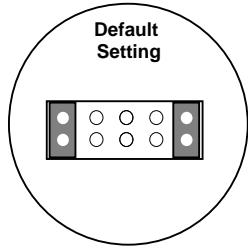
Configuration	1-2	3-4	5-6
Cable Select			
Device 1			
Device 0			
Single Drive			

Key Jumper NOT Installed
 Jumper Installed

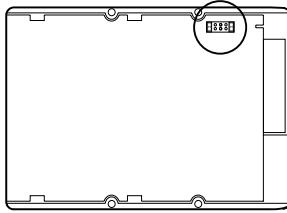
IDE Jumper Settings and Locations

Drive Size: 1.08 GB **Model: 71080AP**

Maxtor Drive
Assembly Number 247414



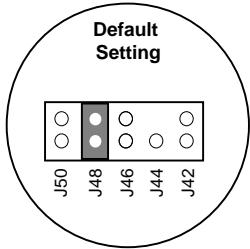
Jumper Setting
for Cable Select



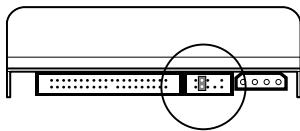
Key Jumper NOT Installed
 Jumper Installed

Drive Size: 1080 MB **Model: GEN 8**

Maxtor Drive
Assembly Number 295992



Jumper Setting
for Cable Select

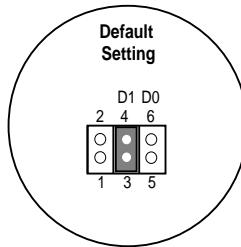


Key Jumper NOT Installed
 Jumper Installed

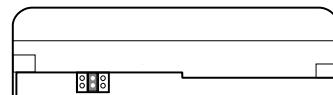
IDE Jumper Settings and Locations

Drive Size: **1080 MB** Model: **LAPAZ**

Segate Drive
Assembly Number 177257



Jumper Setting
for Cable Select



IDE Settings

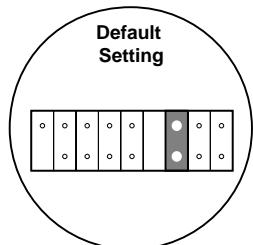
Configuration	3-4	5-6
Slave	○	○
Master	○	■
Cable Select	■	○
Master w/forced Slave present	■	■

Key: Jumper NOT Installed
 Jumper Installed

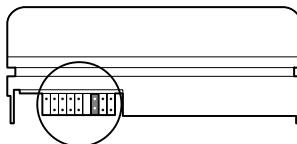
IDE Jumper Settings and Locations

Drive Size: **1.2 GB** Model: **Cabo**

Conner Drive
Assembly Number 214159



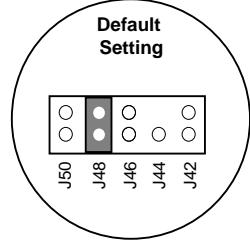
Jumper Setting
for Cable Select



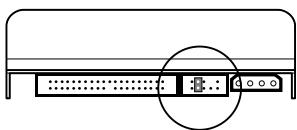
Key Jumper NOT Installed
 Jumper Installed

Drive Size: **1.2 GB** Model: **GEN 8**

Maxtor Drive
Assembly Number 244670



Jumper Setting
for Cable Select

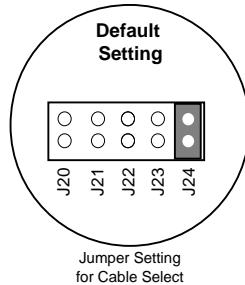


Key Jumper NOT Installed
 Jumper Installed

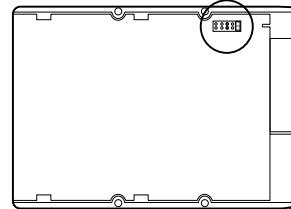
IDE Jumper Settings and Locations

Drive Size: **1.2 GB** Model: **71280AP**

Maxtor Drive
Assembly Number 237833



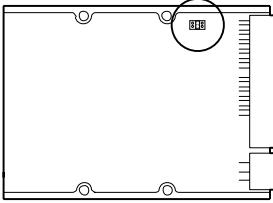
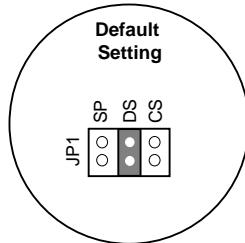
Jumper Setting
for Cable Select



Key Jumper NOT Installed
 Jumper Installed

Drive Size: **1.2 GB** Model: **VORTEX**

Quantum Drive
Assembly Number 235313



IDE Settings

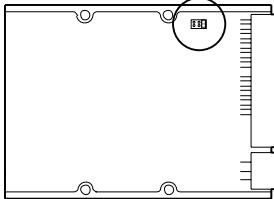
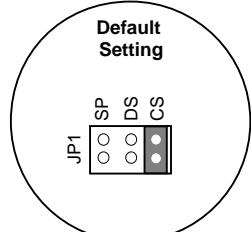
Configuration	CS	DS	SP
Slave Drive (using PDIAG)	○	○	○
Slave Drive (PDIAG and DASP not driven)	○	○	●
Master Drive (uses DASP)	○	●	○
Master Drive (uses SP jumper)	○	●	●
Cable Select	●	○	○

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **1.2 GB** Model: **Fireball 2**

Quantum Drive
Assembly Number 185050

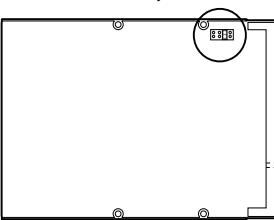
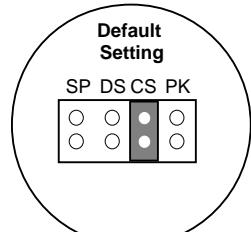


Jumper Setting
for Cable Select

Key Jumper NOT Installed
 Jumper Installed

Drive Size: **1.2 GB** Model: **TEMPEST**

Quantum Drive
Assembly Number 238275



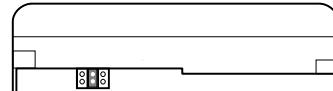
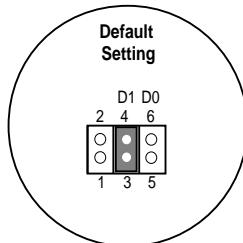
Jumper Setting
for Cable Select

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **1.2 GB** Model: **LAPAZ**

Segate Drive
Assembly Number 243038



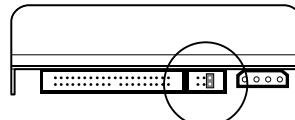
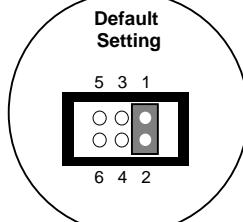
IDE Settings

Configuration	3-4	5-6
Slave	○	○
Master	○	■
Cable Select	■	○
Master w/forced Slave present	■	■

Key: Jumper NOT Installed
 Jumper Installed

Drive Size: **1.2 GB** Model: **BANDIT**

Western Digital Drive
Assembly Number 237834

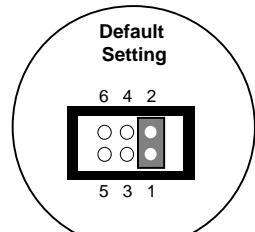


Key: Jumper NOT Installed
 Jumper Installed

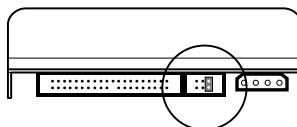
IDE Jumper Settings and Locations

Drive Size: **1.6 GB** Model: **AC31600**

Western Digital Drive
Assembly Number 213988



Jumper Setting
for Cable Select

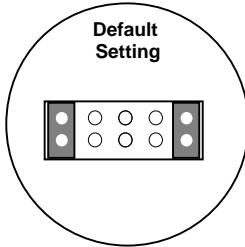


Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

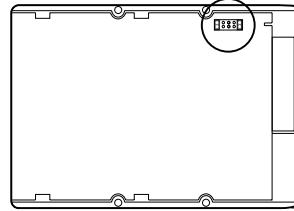
Drive Size: **1.6 GB** Model: **71626AV**

Maxtor Drive
Assembly Number 214022



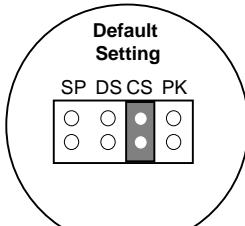
Jumper Setting
for Cable Select

Key  Jumper NOT Installed
 Jumper Installed



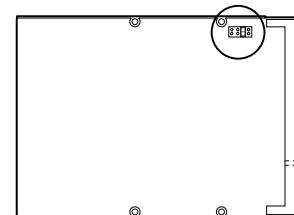
Drive Size: **1600 MB** Model: **TEMPEST**

Quantum Drive
Assembly Number 247421



Jumper Setting
for Cable Select

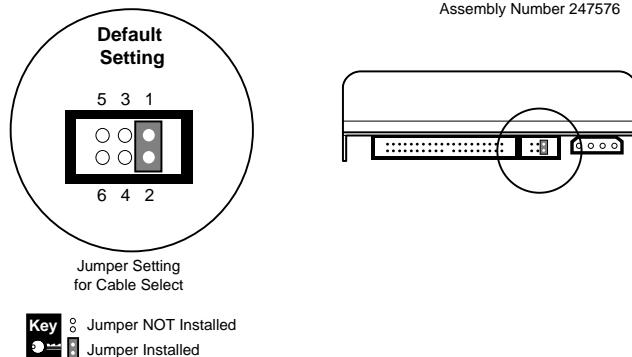
Key  Jumper NOT Installed
 Jumper Installed



IDE Jumper Settings and Locations

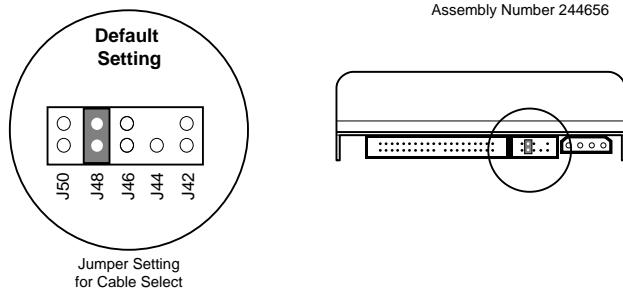
Drive Size: **1600 MB** Model: **AC21600**

Western Digital Drive
Assembly Number 247576



Drive Size: **1600 MB** Model: **GEN 8**

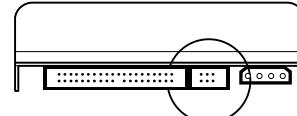
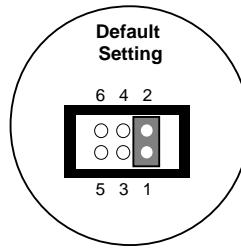
Maxtor Drive
Assembly Number 244656



IDE Jumper Settings and Locations

Drive Size: **1.62 GB** Model: **AC31600**

Western Digital Drive
Assembly Number 247489

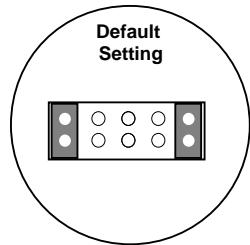


Key Jumper NOT Installed
 Jumper Installed

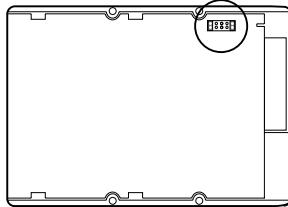
IDE Jumper Settings and Locations

Drive Size: **1.62 GB** Model: **71620AP**

Maxtor Drive
Assembly Number 247415



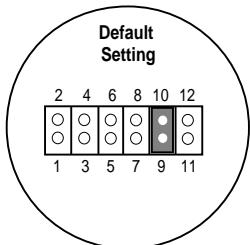
Jumper Settings
for Cable Select



Key  Jumper NOT Installed
 Jumper Installed

Drive Size: **2.0 GB** Model: **ST32430N**

Seagate Drive
Assembly Number 200347



Jumper Settings
for Cable Select

IDE Settings

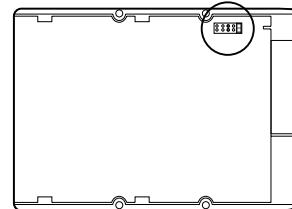
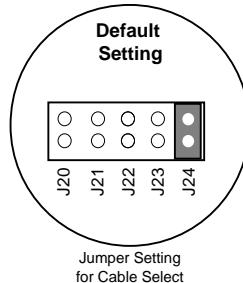
Configuration	1-2	3-4	5-6	7-8	9-10	11-12
Drive is single drive, Device 0	○	○	○	○	○	○
Drive is Device 1, Device 0 is present	●	○	○	○	○	○
Drive is Device 0, Device 1 is present	○	●	○	○	○	○
Cable Select	○	○	○	○	●	○

Key  Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

Drive Size: **2.0 GB** Model: **72010AP**

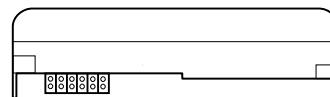
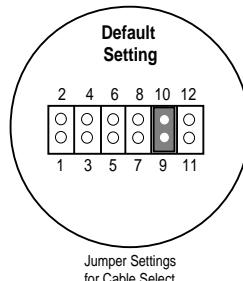
Maxtor Drive
Assembly Number 243039



Key Jumper NOT Installed
 Jumper Installed

Drive Size: **2.0 GB** Model: **ST32140A**

Segate Drive
Assembly Number 213989



IDE Settings

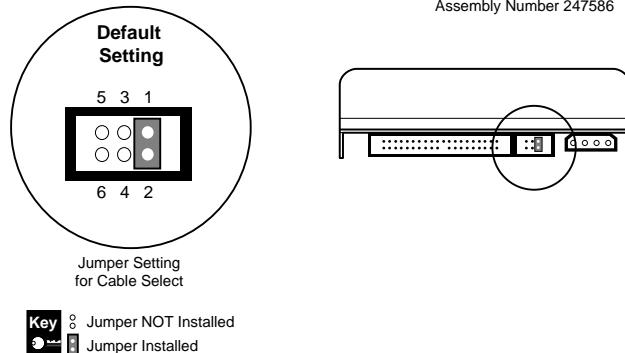
Configuration	1-2	3-4	5-6	7-8	9-10	11-12
Drive Master	○	○	○	○	○	○
Drive is slave to an ATA compatible	●	○	○	○	○	○
Drive Master, , an ATA compatible slave present	○	●	○	○	○	○
Cable Select	○	○	○	○	●	○

Key Jumper NOT Installed
 Jumper Installed

IDE Jumper Settings and Locations

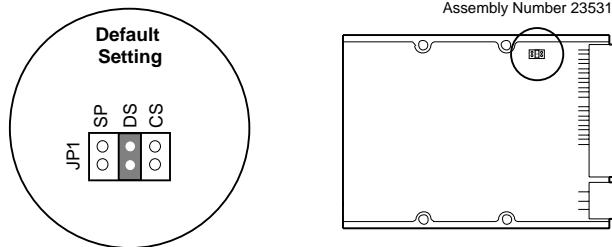
Drive Size: **2.5 GB** Model: **C11**

Western Digital Drive
Assembly Number 247586



Drive Size: **2.5 GB** Model: **VORTEX**

Quantum Drive
Assembly Number 235314

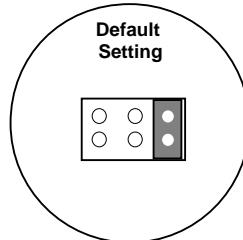


Configuration	CS	DS	SP
Slave Drive (using PDIAG)	○	○	○
Slave Drive (PDIAG and DASP not driven)	○	○	■■
Master Drive (uses DASP)	○	■■	○
Master Drive (uses SP jumper)	○○	■■	■■
Cable Select	■	○	○

IDE Jumper Settings and Locations

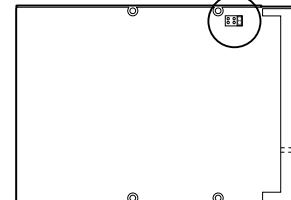
Drive Size: **2.5 GB** Model: **SIROCCO**

Quantum Drive
Assembly Number 237745



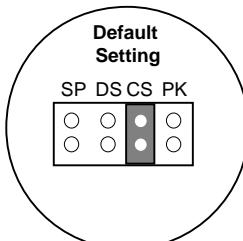
Jumper Settings
for Cable Select

Key:  Jumper NOT Installed
 Jumper Installed



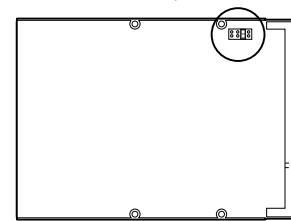
Drive Size: **2550 MB** Model: **TEMPEST**

Quantum Drive
Assembly Number 247422



Jumper Setting
for Cable Select

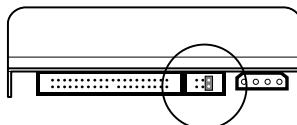
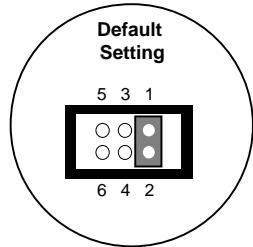
Key:  Jumper NOT Installed
 Jumper Installed



IDE Jumper Settings and Locations

Drive Size: **2550 MB** Model: **AC32500**

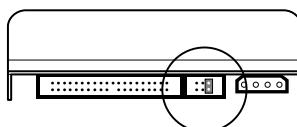
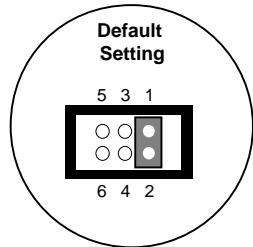
Western Digital Drive
Assembly Number 247577



Key Jumper NOT Installed
 Jumper Installed

Drive Size: **2550 MB** Model: **C12**

Western Digital Drive
Assembly Number 247587

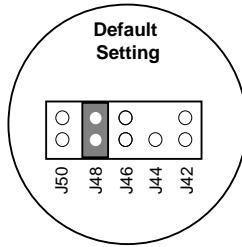


Key Jumper NOT Installed
 Jumper Installed

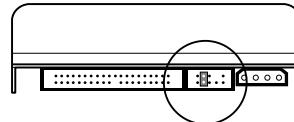
IDE Jumper Settings and Locations

Drive Size: **2550 MB** Model: **GEN 8**

Maxtor Drive
Assembly Number 244658



Jumper Setting
for Cable Select



Key Jumper NOT Installed
 Jumper Installed