USER'S GUIDE

WD1006V-MM1 Winchester Disk Controller WD 1006 V-MM2 Winchester/Floppy Disk Controller

Important Information
Do Not Discard

WESTERN DIGITAL

3. Remove the blank expansion slot bracket. Put the bracket away and save it for possible future use. The screw will be used to hold the new controller board in place. It is best to locate the controller in the closest available expansion slot relative to the drive.

4. Attach the drive control cable connector to J5.

5. Attach the control cable to drive(s).

6. Attach drive 0 data cable connector to J4.

7. Attach data cable to drive 0.

8. Attach drive 1 data cable connector to J3.

9. Attach data cable to drive 1.

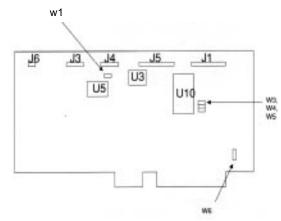10. For WDl006V-MM2 users, attach the floppy cable connector to J 1.

11. For WD1006V-MM2 users, attach cable to floppy drive(s).

12. Attach the Winchester activity cable connector to J6.

13. Check the cable connections carefully. Ensure that pin 1 on the board connectors mates with pin 1 on the cable connectors. Pin 1 on the cable connectors is usually on the color coded side.

14. Install the controller board into the expansion slot. Make sure that the board is seated properly by pressing down on both ends of the board. Secure the board with the bracket screw.

15. Remove or disable any other floppy controller in your system. The WD floppy controller can not be disabled.

All jumpers OFF for factory defaults.

Figure 1. Jumper Locations

TABLE 1. JUMPER SETTINGS

Jumper/ Pin number	Position	Description
W1/ 1-2	OFF	Winchester(s) in latched mode.
	ON	Winchester(s) in non-latched mode.
3-4	OFF	Four byte ECC. ON reserved.
5-6	OFF	Cacheing enabled.
	ON	Cacheing disabled.
7-8	OFF	Format **incompatible** with WD 1003-WAH (WD1003-WA2)
	ON	Format **compatible** with WF 1003-WAH (WD1003-WA2).
W3/ 1-2	OFF	Primary Winchester I/O addresses
	ON	Secondary Winchester I/O addresses
W4/ 1-2	OFF	Primary floppy I/O addresses
	ON	Secondary floppy I/O addresses
W5/ 1-2	OFF	Single speed floppy drives.**
	ON	Dual speed floppy drives.**
W6/ 1-2	OFF	Bracket ground operation not used.
	ON	Connects bracket to board ground

*Not all jumper headers are installed. Modify jumpers only under the direction of a qualified individual

**Do not combine single and dual speed drives in the same system.

Software Installation

This section contains instructions for low level formatting the Winchester drives.

1. Insert our Advanced diagnostic diskette (or equivalent or AT compatibles).

2. Turn on the power.

3. Boot the diagnostic and select the setup option.

CAUTION

Avoid system damage by consulting your system technical reference manual to ensure that your Winchester drive type is supported by the host BIOS drive tables. Not all AT compatibles share the same drive tables as IBM.

4. Select proper drive type. Consult the technical reference manual for further information on these parameters.

CAUTION

Step 5 requires execution of low level format. Use of the IBM Advanced Diagnostic (or similar program for IBM compatibles) is necessary since these controllers contain no on-board Basic Input/Output System (BIOS) ROM. Furthermore, the low level format destroys all data on the drive. If the drive contains useful data, backup the drive before executing the low level format program.

5. Insert the Advanced Diagnostic diskette and execute the low level format.

6. Load and execute the FDISK and FORMAT programs.