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500 ST412/506 with MFM to Full SCSI	-5500		"off" position.
	ACB-	Adapted	closest to the back of the unit) must be in the
525 ESDI to SCSI	<b>Mo</b> <sub>-4525</sub>	Vendor	which block 1 (located on the motherboard
to SCSI	oards. 40	controller boards. 4070	Requires AT&T motherboard ROMS version 1.21.
	ssfully ti	been successfully to	(omat, use the Blvt PC-DCs of Microsoft Mis- (XQSM format utility.
00A ST412/506 with MFM			and thus will not function with the AHA-1020. To
el Description	) driver	partitioning I/O driver driver is available froi <b>de</b>	es: Compar format utility requires 17 sectors/track
ested with these SCSI disk	este		eading Edge
20 host adapter board has		Toshiba	AI&I PC 63009
		Syquest	
n Ontrack Computer Systems, (612)	n (	Seagate	Compag 286 Deskpro
greater than 64 MB and require a	, g	Rodime	.ompaq 286 Portable'
	· · · · ·	Quantum	.ompaq Deskpro'
408-727-3939		Priam	
415-490-7511		MiniScribe	Compad <sup>IM</sup> Portable <sup>1</sup>
408-438-6550		Microscience	-3M Personal System/2, Model 30
408-725-0222		Micropolis	
408-432-1102 408-424-6700		Lapine	3M Personal System/2™ Model 25
408-346-4600		Fujitsu	C ATIM
303-678-2122		CDC	
415-961-2212	ē a	Conner Peripheral	
818-709-3300		Vendor	JM PC14
408-262-7077		SCSI.	in sincluding, but not limited to the following:
408-946-8777	mode	verify current mode:	Adaptec AHA-IUZU host adapter bootid host
612-931-8025	below.	panies listed below.	PORIED BY THE ANA-TUZU
408-433-3340	sfully te	been successfully te	SODIED BY THE ALLA 1000
Telephone Number	AHA-11	The Adaptec AHA-11	
Sied with drives front the corre- Contact the drive vendor to Is and revision levels supporting			
UZC host adapter board has	x0		

## REQUIREMENTS HARDWARE AND SUFIWARE

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AIC-

of the Adaptec AHA-1020 to an embedded SCS The AHA-1020 can be installed in any IBM PC, PC XT, PC AT, PS/2 Models 25 & 30° or equivalent IBM-compatible computer. The successful installation disk drive, requires the following hardware and software.

### Hardware

- 1. IBM PC, PC XT, PC AT, or Personal System/2. computer with: Model 25 or 30° or equivalent IBM-compatible
- a. One floppy diskette drive
- b. One available system expansion slot c. Room for one 51/4" or 31/2" Winchester (hard) disk drive
- 2. One 51/ $a^{\circ}$  or 31/ $2^{\circ}$  Winchester disk drive(s) supporting the industry-standard common command set (CCS) SCSI interface.
- 3. External power supply or power booster to drive. If using an PC XT or a very low power drive in the IBM PC, this is not required. support the power required by the SCSI disk
- 4 50-pin flat ribbon cable to connect the drive to the host adapter.
- a hard disk in the IBM PS/2 Models 25 and 30. THE AHA-1020 must be the any controller operating

### Software

- 1. PC XT, PC AT DOS version 2.0, or newer revisions
- 2. (Optional) A customer-supplied loadable logical units or for systems using more than 64 device driver is needed for three to eight MB of total disk capacity.

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jumpers and ca must first config To install the Au successfully inst selection switch section describ-INTEGRATIO Before the drive Parity must be the drive addre as drive 0, 1, 2 tion. These par The drive char DRIVE SELEC the drive cable chain must ha pin DIP resistor tion, have a re permanent terr drive communi the cable in or they can be c terminator, as it



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# AHA-1020 PRIMARY FORMATTER

dded SCS

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ivalent IBM

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At this point, the disk must be fort?tidted with a primary format. Primary formatting is not supported by DOS; however, it is supported by the AHA-1020 BIOS through "DEBUG." Unlike other host adapters, it AHA-1020 needs no extra software to perform the primary format. The primary formfat defines adress fields and data fields on each track of the disk. After this is completed, bad blocks cars be flagged and directory created by a DOS "FORMAT" command.

To use the primary formatter, pertitim the following steps:

- 1. Boot DOS 2.0 or newer revisions the DOS SU PLEMENTAL PROGRAMS diskette.
- Type "DEBUG," the computer will respond with a "-".

#### NOTE

Underlined characters are user injours, <RET> mean return key and parentheses mean comments.

A><u>DEBUG</u><RET>

(DEBUG prom;bt)

3. Type the following sequence:

## -G=CA00:CCC<RET>

"ADAPTEC AHA-1020 FORMAT PROGRAM"

Enter sector interleave (4 to 9):hkRET>

4-to-1 is the optimum interleave factor for the IBM PC/XT. Experimentation with different interleave factors is the best way of determining the optimum interleaving factor for your application.

the CCS jumper is installed on the AHA 1020. CCS drive is assumed, no defect infolmation is needed

Are you sure you want to forthigh the drive? (Y/N

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