

# PORTABLE III

System Boards	Assembly	Spare Part
80286 System Board DISCONTINUED	000540	107372-001
80286 System Board DISCONTINUED	000709	107372-001

## System Board Jumper Settings (000540 and 000709)

Jumper Settings *	Function
E1-1 to E1-2 **	CPU speed 12 or 8 MHz when accessing diskette drive
E1-2 to E1-3	CPU speed 8 MHz when accessing diskette drive
E2	Reserved - No jumper installed
E3-1 to E3-2 **	Serial device COM1
E5-2 to E16-2	IRQ4
E3-2 to E4-2	Serial device COM2
E5-1 to E5-2	IRQ3
E3-1 to E4-1	Modem for COM1
E16-1 to E16-2	IRQ4
E4-1 to E4-2 **	Modem for COM2
E5-1 to E16-1	IRQ3
E7-2 to E7-3 **	Enable parallel interface
E7-1 to E7-2	Disable parallel interface
E8-1 to E8-2 **	Diskette drive primary address
E8-2 to E8-3	Diskette drive secondary address
E8-4 to E8-5 **	Hard Drive primary address
E8-5 to E8-6	Hard Drive secondary address
E10-1 to E10-2	16-KB ROM
E10-2 to E10-3 **	32-KB ROM
E12-1 to E12-2	Enable ROM set 2
E12-2 to E12-3 **	Disable ROM set 2
E17-2 to E17-3 ** and E17-4 to E17-5	No extended memory when using the expanded memory board
E17-2 to E17-3 and E17-5 to E17-6	Address bank 1 (extended memory) (J201 and J202)
E17-1 to E17-2 and E17-4 to E17-5	Address bank 1 and 2 (extended memory) (J201 through J204)
E17-1 to E17-2 and E17-5 to E17-6	Address banks 1, 2, and 3 (extended memory) (J201 through J206)

\* If another serial device or third-party modem is used, the jumpers for that device address must be removed.

\*\*Default.

# PORTABLE III

## System Board SW1 Switch Settings (000540 and 000709)

1	2	3	4	5	6	7	8	Function
OFF*	OFF *							0-640 KB
ON	OFF							0-256 KB
OFF	ON							0-512 KB
ON	ON							Reserved
		ON*	OFF*					Select 256 KB X 9 DRAM module for expansion memory
		OFF	ON					Select 1 MB X 9 DRAM module for expansion memory
		OFF	OFF					Reserved
		ON	ON					Reserved
				ON *				Enable Hard Drive
				OFF				Disable Hard Drive
					OFF *			CPU boot speed 12 MHz
					ON			CPU boot speed 8 MHz
						ON *		Plasma display in CGA mode
						OFF		Plasma display in monochrome mode
							OFF	Reserved

\*Default.

Memory Boards	Assembly	Spare Part
Expanded Memory	000718	107805-001
Memory Expansion - DISCONTINUED	000543	107378-001

## Expanded Memory Board (000718)

Jumper	Function
E1 1-2 *	256-KB modules installed
E2 1-2 *	
E1 2-3	1-MB modules installed
E2 2-3	

\*Default.

## Memory Expansion Board (000543)

Jumper	Function
1-2 *	256-KB modules installed
2-3	1-MB modules installed

\*Default.

Memory Modules	Spare Part
256 X 9 SIMM - DISCONTINUED	107380-001
1 MB X 9 SIMM - DISCONTINUED	107379-001

## PORTABLE III

Video Boards	Assembly	Spare Part
Enhanced Color Graphic Board * ***	000410	Not Available
Enhanced Color Graphic Board * ***	000471	109196-001
Plasma Display Controller Board	000392	107374-001
Plasma Display Controller Board ***	000932	107374-001
Video Graphics Ctrlr. Board (VGC) * ** ***	000806	109253-001
		DISCONTINUED
Video Graphics Ctrlr. Board (VGC) * ** ***	001241	109253-001
		DISCONTINUED
Video Graphics Ctrlr. Board (VGC) * ** ***	109360	109253-001
		DISCONTINUED
Advanced Graphics 1024 Board ** ***	109958	114201-001
Advanced Graphics Memory Board **	109959	114202-001
QVision 1280/I Controller Board ***	002951	139182-001

\* ECG and VGC require system ROM K or later.

\*\* Installed in Expansion Unit only. The VGC Board is required for the Advanced Graphics Color Monitor to display both normal VGA and high-resolution video (single-monitor configuration).

\*\*\* See Volume 2 Appendix, Multiproduct Boards, for settings.

### Plasma Display Controller Board (000392)

Jumper E1	Function
1 - 2 *	Primary Address 3XXX
2 - 3	Secondary Address 2XXX

\*Default..

### Hard Drives

Size	Type	Inter-leave	Inte-grated	Min ROM	Spare Part
20 MB	2	1:1	Y	K	Not Available
20 MB	2	3:1	Y	K	Not Available
40 MB	17	3:1	Y	K	Not Available
40 MB <sup>3</sup>	22 <sup>4</sup>	1:1	Y	R.2	Not Available
40 MB <sup>3</sup>	43	1:1	Y	F	Not Available
84 MB <sup>3</sup>	27	1:1	Y	K	Not Available
100 MB <sup>3</sup>	45	1:1	Y	K	142365-001 <sup>1</sup>
120 MB <sup>3,5</sup>	45	1:1	Y	K	161832-001 <sup>2</sup>

<sup>1</sup> Except Europe.

<sup>3</sup> Requires MS-DOS 3.2 or later.

<sup>4</sup> Drive type 17 if ROM earlier than R.2 is used.

<sup>5</sup> Formats to 100 MB.

<sup>2</sup> Europe only.

Tape Drives	Spare Part	Tape Cartridge	Spare Part
40 MB *	107785-001	40 MB (DC2000)	108142-001

\* Used in Expansion Unit only.

Diskette Drives	Spare Part
360 KB - DISCONTINUED	107360-001
1.2 MB - DISCONTINUED	107359-001
1.44 MB - DISCONTINUED	109595-001

\* Requires system ROM N.2 or later for use with MS-DOS and system ROM P.2 or later for use with MS OS/2 Version 1.1. Requires MS-DOS Version 3.31.

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Miscellaneous	Assembly	Spare Part
2400 Baud Internal Modem	DISCONTINUED	107791-001
Serial/Parallel Interface Board **	000570	106886-001
	000990	
16-Bit Memory/Modem	000549	107375-001
DISCONTINUED		
16-Bit Memory/Modem	000755	107375-001
DISCONTINUED		
Second Serial Board *	000715	107871-001 *
1200 Baud Internal Modem	107041	107376-001

\* Not available for use in the U.S. and Canada.

\*\* See Volume 2 Appendix, Multiproduct Boards, for settings.

Cables	Used With	Spare Part
Mass Storage Power Cable	Hard Drive (Drive C)	101741-001 (6-inch)
Mass Storage Power Cable	Hard Drive (Drive D) and All Diskette Drives	101741-004 (15- inch)
Hard Drive Signal Cable	All Hard Drives	107176-001
Diskette Signal Cable	All Diskette Drives (Single)	107177-001
Diskette Signal Cable	All Diskette Drives (Dual)	107177-002
Display Data Cable	Display	107171-001
Display Controller Cable	Display	107173-001
Display Intensity Cable	Display	107174-001
Display Power Cable	Display	107175-001
RGB Port Cable	Display	107172-001
Modem Jack Cable	Modem (RJ11 to RJ11)	107518-001
Cable Kit	All	107382-001
VGA Pass-Through Cable	Advanced Graphics	114229-001

Processor Location (80286-12)	Coprocessor Location (80287-8)
U52	U43

## System ROM Locations

U72 ODD	U89 EVEN
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## System ROM Revisions (Spare Part 107592-001)

Revision	Number on ODD ROM	Number on EVEN ROM	Size
K	106778-002	106779-002	16 KB
N.2	107824-001	107825-001	32 KB
P.2	109737-001	109738-001	32 KB
R.2	109737-002	109738-002	32 KB

Power Supply/Battery	Spare Part
Power Supply	107373-001 - DISCONTINUED
Battery - DISCONTINUED	107385-001 (For System Board 000709-001)
Battery/Clock Module	107872-001 (For System Board 000709-003)

# PORTABLE III

## MEMORY UPGRADE CHART

SYSTEM BOARD  
TOTAL MEMORY: 640 KB

