

The following pages were
extracted from the:

*COMPAQ SERVICE
QUICK REFERENCE GUIDE*

DP286-12

12-MHz COMPAQ DESKPRO 286

BOARD COMPATIBILITY LIST

Product	Assy No.	Spare Part No.	Page
SYSTEM BOARDS			
80286 System	000555/000700	106707-001	77
MEMORY BOARDS			
512/2048 Mem Exp	000307/000308	105033-001	A-1
MEMORY CHIPS			
256 X 1 (100 ns) DRAM		113017-001	X
CONTROLLER BOARDS			
Fixed Disk Cntrl	WD1002WAH	102778-001	A-1
ESDI Fixed-Disk (3.1)	WD1005WAH	108140-001	A-1
ESDI (1:1)	WD1007AWAH	113265-001	A-1
Tape Adapter	000774	113259-001	A-3
Multipur Fixed Disk	000815	113446-001	A-3
ESDI External 300/600	001091	115839-001	A-3
15 MHz ESDI Cntrl	001283/001628	115188-001	A-4
ESDI/Diskette Cntrl	001472	115374-001	A-4
VIDEO BOARDS			
Enh Color Graphics*	000410	106373-001	A-5
Enh Color Graphics*	000471	109196-001	A-5
VDU	000031/000160/ 000345	101340-001	A-5
VDU	000525	101340-001	A-7
VGC*	000806/001241/ 109360	109253-001	A-7
Advanced Graphics 1024	109958	114201-001	A-8
Advanced Graphics Memory	109959	114202-001	X
* ECG and VGC require system ROM K or later			
MISCELLANEOUS			
Serial/Parallel Interface	000570	106886-001	A-8
Serial/Parallel Interface	000990	106886-001	A-9
2400-Baud Int Modem	001070	112693-001	X

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FIXED DISK DRIVES

Drive Size	Drive Type	Inter-leave	Inter-grated	Min ROM	Spare Part No.	Controller Assy No.
20 MB	2	1:1	Y	K	114483-001	000815
20 MB	2	3:1	Y	K	113016-001	000815
40 MB*	17	3:1	Y	K	108058-001	000815
40 MB	22	1:1	Y	K	113030-001	000815
40 MB ¹	43	1:1	Y	K	113030-001	000815
70 MB	12	2:1	N	K	102932-001	WD1002WAH
130 MB ²	25 ³	3:1	N	K	108080-001	WD1005WAH
	35 ³	1:1		K		WD1007AWAH
300 MB ⁴	38	1:1	N	P.1	113219-001	001091 001283 001472 ⁵ 001628

* See page A-13 for dual 40-MB drive configuration information

¹ Requires MS-DOS 3.2 or later

² Comes formatted as type 35 for the WD1007AWAH controller. If used with the WD1005WAH controller (type 25) you must perform an unconditional format followed by a surface analysis using ADVANCED DIAGNOSTICS 5.04 or greater.

³ MS-DOS 3.1 or earlier supports type 25 only. MS-DOS 3.2 or later supports either type. Use type 25 if the application software supports only 17 sectors per track.

⁴ Used in Fixed Disk Drive Expansion Unit. Requires MS-DOS 3.3 or later.

⁵ Disable diskette circuitry when using as a fixed disk drive controller.

TAPE DRIVES

Drive Size	Spare Part No.	Tape Cartridge	Spare Part No.
40 MB	108081-001	40 MB (DC2000)	108142-001
135 MB	113218-001	135 MB (DC600 XTD)	113234-001
150/250 MB	115368-001	150 MB (DC600 XTD)	113234-001
		250 MB	115298-001

DISKETTE DRIVES

Size	Spare Part No.
360 KB	102928-001
1.2 MB	102775-001
1.44 MB*	113263-001

* Requires system ROM N.3 or later for use with MS-DOS and system ROM P.1 or later for use with MS OS/2 Version 1.1. Requires MS-DOS Version 3.31 Revision A if installed as drive B, and MS-DOS Version 3.31 Revision B if installed as drive A.

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CABLE INFORMATION

Cable Function	Used With	Spare Part No.	
Diskette/Tape Signal ¹	All Diskette Drives 40-MB Tape	101380-002	
Mass Storage Power ¹	All	101137-001	
Tape Signal	135-MB Tape	113198-001	
	150/250 MB Tape	115196-001	
FDD Signal	70-MB FDD	100625-003	34 Pin
		100625-004	20 Pin
FDD Signal ²	20-MB (1:1 & 3:1), 40-MB (1:1 & 3:1)	108088-001	
FDD Signal	Dual 20 & 40-MB FDD	108087-001	
FDD Signal ³	130-MB FDD	100625-005	34 Pin
		100625-006	20 Pin
External I/O:	Expansion Unit	115810-001	34 Pin
		100625-006	20 Pin
Telephone Cable	Modem	112666-001	

¹ Part of kits 102934-001 & 108146-001 ³ Part of kit 108249-001

² Part of kit 108146-001

BOARD JUMPER/SWITCH SETTINGS

SYSTEM BOARD (000555 & 000700)

SW1 SETTINGS

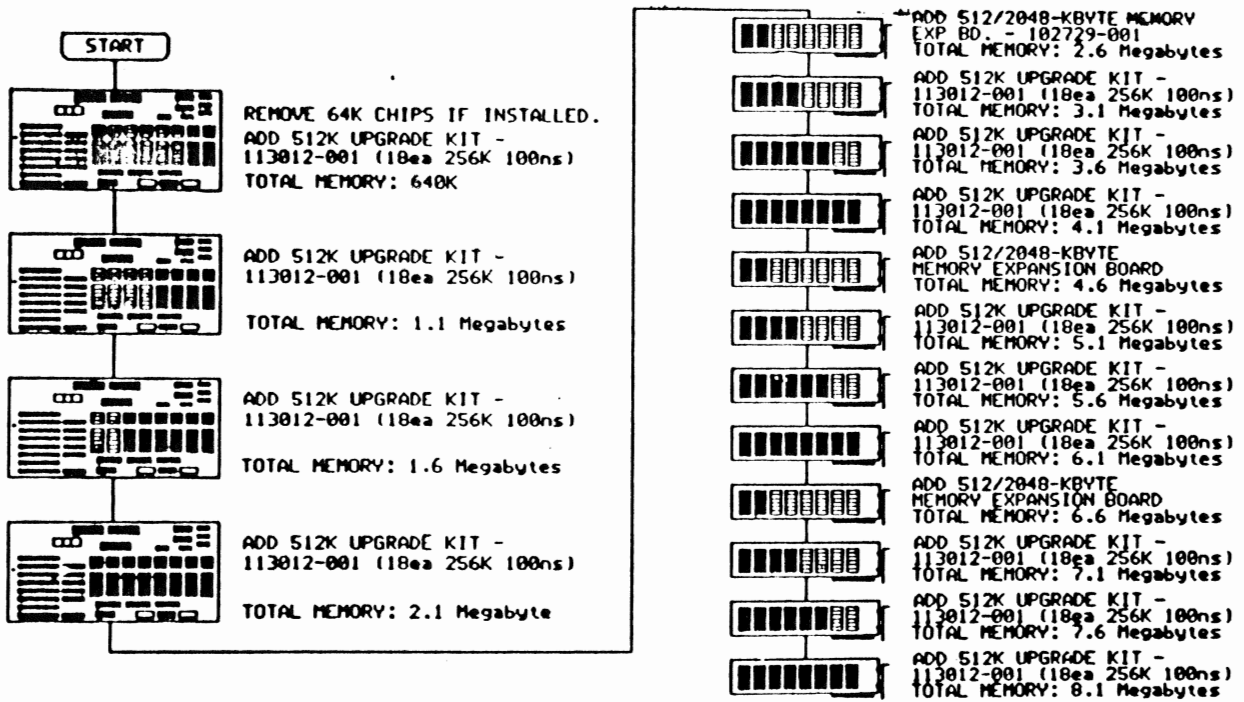
1	2	3	4	5	6	7	8	Function
ON								With 64K X 1 DRAM
OFF*								With 256K X 1 DRAM
	ON	ON						Disable RAM and ROM
	ON	OFF						0-256 KB base memory
	OFF	ON						0-512 KB base memory
	OFF*	OFF*						Enable all base memory
			OFF	OFF				With 64K X 1 DRAM
			ON	N*				256K X 1 DRAM. No extended memory
			ON	F				Enable bank 2 for 1.0 to 1.5 MB of memory
			OFF	ON				Enable banks 2 & 3 for 1.0 to 2.0 MB of memory
			OFF	OFF				Enable all banks for 1.0 to 2.5 MB of memory
						OFF*		CPU boot speed 12 MHz
						ON		CPU boot speed 8 MHz
							OFF	Reserved
							ON*	COMPAQ VDU & EGA, compatible EGA, RGBI, or VGC
							OFF	3rd-party monochrome (MDA only)

100-ns (or
faster 256K X 1
chips only)

Jumper E5

1 - 2	CPU boot speed 12 MHz
2 - 3*	CPU boot speed 12 MHz except 8 MHz when accessing diskette drive

* Default



12-MHz COMPAQ DESKPRO 286 MEMORY UPGRADE CHART