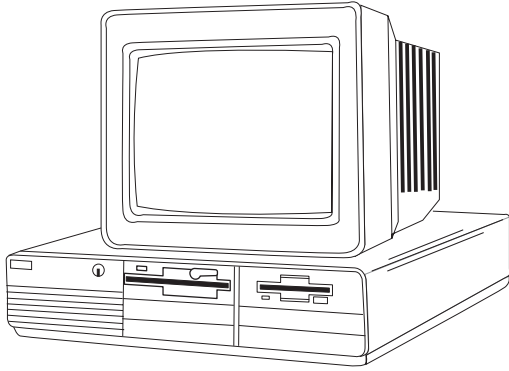


Compaq Deskpro 386



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Specifications

Processor

- Intel 16MHz, 80386

Memory

- 1 MB standard, expands to 14MB

I/O Expansion Slots

- 1-32bit memory slot, 4-full sized 8/16 bit slots, 3- (2-full and one half sized) 8 bit slots

Diskette Drive

- 1-5.25" 1.2MB diskette drive

Integrated Features

- Socket for optional coprocessor, 25-pin parallel, 9-pin serial, and keyboard interface

Internal Expansion Bays

- 4- internal expansion bays

I/O Architecture (Bus's supported)

- Industry Standard Architecture - ISA

Power Supply

- 192 watt power supply

Diagnostics

- Normal Post Diags performed on Power UP of system.
- For Advanced Diags use Diskette v.3.0
- Troubleshoot according to errors found during test

Tools And Software Requirements

- Flat bladed and Torx T-15 screwdrivers
- Needle nose pliers
- Memory chip insertion tool
- Memory chip removal tool
- 25 pin and 9 pin loopback plugs
- Diagnostics and formatted blank diskettes

Anti-static wrist strap

Switch Settings

System Board(Assembly 000558)

SW1 Settings

SW1	Position	Function
SW-1	ON	Reserved
SW-2	OFF*	No coprocessor installed
	ON	Coprocessor installed
SW-3	OFF*	80287-8 coprocessor, 8MHz
	ON	80287-3 or 4 coprocscr, 4MHz
SW-4	ON*	CPU boot 16MHz, 8MHz w/ dsktte
	OFF	CPU boot 16MHz (all the time)
SW-5	OFF	Reserved
SW-6	ON*	Cpq VDU,EGA,RGBI,VGC
	OFF	3rd party MDA
SW-7	ON*	80287-3,-6,-8 coprcssr or not installed
	OFF	387-16 coprocessor
SW-8	ON	Reserved

* Default

System Board(Assembly 000401)

SW1 Settings

SW1	Position	Function
SW-1	ON	Reserved
SW-2	OFF*	80287 coprocessor uninstalled
	ON	80287 coprocessor installed
SW-3	OFF*	80287-8 (8 MHz)
	ON	80287-3 or -6 (4MHz)
SW-4	ON*	Boot speed 16MHz, 8MHz w/ dsktte
	OFF	Boot speed 16MHz all the time
SW-5	OFF	Reserved
SW-6	ON*	Cpq VDU/EGA,RGBI,VGC
	OFF	3rd party MDA

Default*

Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from the outlet and System.
3. Disconnect all peripheral devices from the computer.

System Cover

1. How to remove the cover
2. Remove three screws from back of system unit
3. Pull the cover forward until the drive is exposed, then lift off.

Field Replaceable Units

Memory Boards

Description	Assembly	OEM Part	IBM Part
32-bit mem. bd.	000413	108059-001	93F7129
1-2MB 32-bit bd.	000450	108082-001	93F7128
.5-2MB 16-bit bd.	000458	108138-001	93F7121
4-8MB 32-bit bd.	000459	108083-001	93F7127

Memory Chips

Description	OEM Part	IBM Part
256 X 1 (100 ns) SCRAM	108143-001	93F7125
1MB x 1 (100 ns) SCRAM	108144-001	93F7124

32-Bit System Memory Board (000413)

Jumper Setting	Function
E2 to E3, E5 to E6*	640KB base memory
E7 to E8*	Turns off extended memory
E1 to E2, E4 to E5	256KB base memory
E2 to E3, E4 to E5	512KB Base memory
E8 to E9	Turns on extended memory

Caution: Do not connect E3 to E4 or E6 to E7; can cause system board damage

* Default

.5 to 2MB 16-Bit Memory Board (000458)

Jumper Setting	Base Address
1 to 2, 4 to 5*	4MB
1 to 2, 5 to 6	6MB
2 to 3, 4 to 5	10MB
2 to 3, 5 to 6	12MB

* Default

1 to 2MB (000450) and 4 to 8MB (000459)

32-Bit Memory Boards

Setting	1-2MB Bd	4-8MB Bd
2-3*	turns off 2nd 1MB	turns off 2nd 4MB
1-2	turns on 2nd 1MB	turns on 2nd 4MB

* Default

Controller Boards

Description	Assembly	OEM Part	IBM Part
HD Cntrlr Bd.	WD1002WAH	102778-001	48H2549
Tape Adp Bd	000774	113259-001	93F7104
ESDI 300/600 External Bd.	0001091	115839-001	93F8114
15MHz ESDI Cntrlr Bd.	001283	121667-001	93F8112
ESDI/Dsktte Cntrlr Bd.	001628		
	001472	115374-001	93F7164

Video Boards

Description	Assembly	OEM Part	IBM Part
Enh. Clr. Grphs*	000471	109196-001	93F7136
Vid. Disp. -VDU	000031	101340-001	93F7303
	000160		
	000345		
	000525		
Vid Grph -VGC***	000806	109253-001	93F7302
	001241		
	109360		
Adv Grph 1024	109958	114201-001	93F7103
Adv Grph Mem	109959	114202-001	93F7102
QVision 1024/I	002163	126655-001	93F8109

* ECG and VGC require sys ROM E or later

*** Required for Advanced graphics color monitor VGA and hi-res.

Internal Hard Drive

Size	Type	ROM	OEM Part	IBM Part
100MB	45	G	142365-001	20H8119
340mb*	28	K.2	194525-001	20H8617

* formats to 319MB

cntrlr assembly: WD1005WAH

HD Exp. Unit (300MB)

cntrlr assembly: 001091,001283,001472,001628

System Boards	Assembly	OEM Part	IBM Part
386*	000401	108060-001	93F7130
386**	000558	108407-001	93F7119

* 287 coprocessor option

** 287 and 387 coprocessor

Diskette Drives	OEM Part	IBM Part
360KB	102928-001	93F7286
1.2	102775-001	93F7299
1.44MB (black)*	13263-001	93F7285
1.44MB (gray)*	13264-001	67H8429

* Uses ROM H.8 or later w/ MS DOS and system ROM J.4 or later with OS/2 v.1.1.

Uses MS DOS v.3.31 rev. A if used as drive B and MS DOS v.3.31 rev. B if used as drive A

Tape Drives	OEM Part	IBM Part
40MB	108081-001	93F7887
135MB	113218-001	48H9792
150/250MB	115368-001	

Miscellaneous	Assembly	OEM Part	IBM Part
Serial/Parallel Inter.	000570	106886-001	93F7110
Serial/Parallel Inter.	000990	106886-001	93F7110
9600/2400 fax mdm		197458-001	20H8475
Power Supply (110 volt)		108065-001	93F7307
Battery		160272-001	90G6893

Cables	Function	OEM Part	IBM Part
Disk/Tape SIG	all dskttes/40MB TBU	101380-002	93F7402
Mass Sto Pwr	dskttes/TBUs/HDs	101137-001	93F7305
Tape SIG	135,150/250TBUs	113198-001	93F7283
HD SIG CBL	Single 40MB HD	108086-001	93F7300
HD SIG CBL	Dual 40MB HD	108087-001	93F7123
HD SIG CBL	130MB HD (34 pin)	100625-005	55H1063
HD SIG CBL	130MB HD (20 pin)	100625-006	93F7293
Ext. I/O	Expansion Unit	115810-001	93F7161
Telephone	modem	112666-001	20H8333
VGA Pass thru	adv.graphics	114229-001	93F7142

Processor/Coprocessor Locations

System Board	(386-16)	(387-16)	(80287-3,6,8)
000558	U76	U60	U42
000401	U56	N/A	U39

System ROM Location

	System ROM	System Opt. ROM
000401	U13 Odd	U11 Even
000558	U15 Odd	U13 Even

System ROM Revisions

(108283-001 IBM P/N 93F7133)

Sys Bd Assemblies 000954,001145,001148,001157,001644

Revision	Number on ROM(ODD/EVEN)
E	108284-001/108285-001
F	108327-001/108328-001
G	108327-002/108328-002
H.8	113269-008/113270-008
J.4	109591-001/109592-001
K.2	109591-003/109592-003
M.1	109591-004/109592-004
N.1	109591-005/109592-005