

Deskpro Workstation AP240

Processor/System Boards	Assembly	Spare Part
Processor Board (Intel 440 BX)	010561-101	162857-001
Processor Board (Intel 820)	010693-101	158750-001

Note: As of January 1, 1999, all 300 MHz and faster Intel Celeron and Pentium processors are shipped with the processor speed preset. The preset speed will override any switch settings set on the system board for processor speed. After July 1, 1999, system boards will no longer have speed setting SW1 switches.

Keyboard Light Combinations for FailSafe Boot Block

Num Lock	Caps Lock	Scroll Lock	Meaning and Required Action
OFF	ON	OFF	System requires setup password. Enter the setup password. The light remains on until a valid password is entered.
ON	OFF	OFF	System could not boot from ROMPaq diskette because it is not present, is bad, or drive is not ready. Insert a valid ROMPaq diskette, turn power off and back on.
OFF	OFF	ON	ROM upgrade failed. Try another ROMPaq diskette. If light remains on, contact Compaq Customer Support.
ON	ON	ON	ROM upgrade successfully completed. Turn power off and back on to resume normal operation.

Diagnostic LEDs – Keyboard

Key	Beeps	Meaning and Required Action
Num Lock - Flashing	1 Short, 2 Long	System memory is absent. Ensure that compatible DIMMs are installed in the unit. If so, reseat the modules.
Caps Lock - Flashing	1 Long, 2 Short	Video graphics board is not installed or incorrectly initialized. Clear CMOS, and if the video board is present, remove and reseat.
Scroll Lock - Flashing	2 Long, 1 Short	System initialization failed and the unit cannot boot. The system configuration may be invalid. Clear CMOS and see the configuration label for jumper location and instructions.

Diagnostic LEDs (440 BX Unit)

Power LED	Color	Meaning
Flashing	Green	The unit is on and power supply is providing power to the system.
Slow-Blinking	Green	The unit is in a low-power state.
Fast-Blinking	Green	Processor-initiated thermal shutdown has occurred.

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Diagnostic LEDs (820 Unit and Keyboard)

LED	Color	LED Activity	State/Message
Power	Green	On	Computer on
Power	Green	1 blink per second	Normal suspend mode
Power	Red	4 blinks per second	CPU thermal shutdown
Power	Red	On	CPU not installed or working
Power	Red	1 blink per second	ROM error
Power	Red	1 blink per two or more seconds	Power supply crow bar
Power and Hard Drive	Red	On	Riser board not seated
Caps Lock	Green	Flashing	No video
Scroll Lock	Green	Flashing	System board failure, prior to video

Configuration Code	Assembly	System Bd Spare Part
DGV1	010693-101	158750-001
DGV3, DGV4	010693-101	158750-001
DHK2, DHK3	010693-101	158750-001
DLW2	010561-101	162857-001
DLX2	010561-101	162857-001

Microprocessors	Assembly	Spare Part
600/133 (Intel 820)		158783-001
700/100 (Intel 440 BX)	157381-004	165055-001
733/133 (Intel 820)		164796-001

Memory	Assembly	Spare Part
32 MB 100 MHz, DIMM (Intel 440 BX)	323011-001	166890-001
64 MB 100 MHz, DIMM (Intel 440 BX)	323012-001	179190-001
64 MB 100 MHz, DIMM, w/ ECC (Intel 440 BX)	323016-001	166967-001
64 MB, PC600, RDRAM (Intel 820)	402822-624	157107-001
64 MB, PC700, RDRAM (Intel 820)	402831-762	158600-001
128 MB 100 MHz, DIMM, SDRAM (Intel 440 BX)	323013-001	166966-001
128 MB 100 MHz, DIMM, SDRAM, w/ ECC (Intel 440 BX)	323017-001	166965-001
128 MB, PC700, RDRAM (Intel 820)	402824-722	158264-001

Miscellaneous	Assembly	Spare Part
Keyboard, Enhanced (Intel 820)	112259-006	113906-001
Keyboard, Spacesaver, Opal	166516-006	269513-001
Mouse, 3-Button, Opal	141649-006	166861-001
Drive Bracket, 3.5	179026-001	166923-001
Backplane Board, 0-2-2, DT (Intel 440 BX)		178936-001
Backplane Board, 2-0-5, MT (Intel 440 BX)	008058-001	179175-001
Backplane Board/II, 0-2-2, DT (Intel 820)	010436-002	123717-001
Backplane Board/II, 2-0-5, MT (Intel 820)	010439-001	123718-001
Solenoid Kit (2-coil permanent mag connection)	270718-002	179189-001
Miscellaneous Hardware (Intel 820)		147909-001
Miscellaneous Plastics Kit – MT (Intel 440 BX)		179371-001
Miscellaneous Plastics Kit – DT (Intel 440 BX)		179181-001
Miscellaneous Plastics (Intel 820)		147910-001

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Miscellaneous	Assembly	Spare Part
Speaker w/ Enclosure	179078-001	179188-001
Drive Cage	179016-001	179178-001
Fan, 80mm - DT		179289-001
Fan, 92mm - MT		179368-001
Cable Assembly w/ SCSI, w/ Terminator, 2D, VS	199616-013	179341-001

Controller Boards	Assembly	Spare Part
SCSI2 Controller, PCI	358227-001	330522-001
SCSI2 Controller, PCI, 2940UW	334136-001	179261-001
NIC, 10/100 PCI, WOL, OEM	323557-001	323556-001
NIC, 10/100 PCI	108897-001	116188-001

Graphic Boards	Assembly	Spare Part
Graphics, Millennium G400, NLX, Synergy II (Intel 820)	400273-001	400438-001
Graphics, Rage Pro, NLX, 1X	008061-002	166871-001
Graphics, ATI Rage Pro, 2X	334134-001	334170-001
Graphics, 8 MB	401271-002	113874-001
Video, 32M-SD, AGP, 4X (Intel 820)	103384-003	146140-001

CD-ROM Drives	Assembly	Spare Part
CD-ROM, 32X		327659-001
CD-ROM, 40X, IDE	118121-001 (Intel 440 BX) 388036-711 (Intel 820)	400807-001

Hard Drives	Assembly	Spare Part
3.2 GB	314026-001	166873-001
4.3 GB, Wide-Ultra SCSI		179287-001
4.3 GB, UATA	314027-001	327646-001
6.4 GB, IDE	334118-001	166973-001
9.1 GB, Wide-Ultra2, 7200 rpm (Intel 440 BX)	120852-001	144576-001
9.1 GB, Wide-Ultra2 SCSI, 10K (Intel 820)	120854-001	135410-001
10 GB	178548-001	320662-001
10 GB, IBM, Titan (7200 rpm)	356046-001	330520-001

Diskette Drives	Assembly	Spare Part
1.44 MB (Intel 440 BX)	135262-001	158266-001
1.44 MB, Opal (Intel 820)	122713-001	123958-001

Cables	Assembly	Spare Part
Cable, NIC, Wake Up	179056-001	166974-001
Cable, Audio Ensonig	387527-001	149806-001
Kit, Miscellaneous Power Switch/LED/Bracket	179138-001	179293-001
Kit, Power Switch/LED/Bracket - MT		179383-001
Kit, Miscellaneous Cable (Intel 440 BX)		179182-001
Miscellaneous Cables (Intel 820)		146019-001
SCSI Controller	225537-001	247485-001

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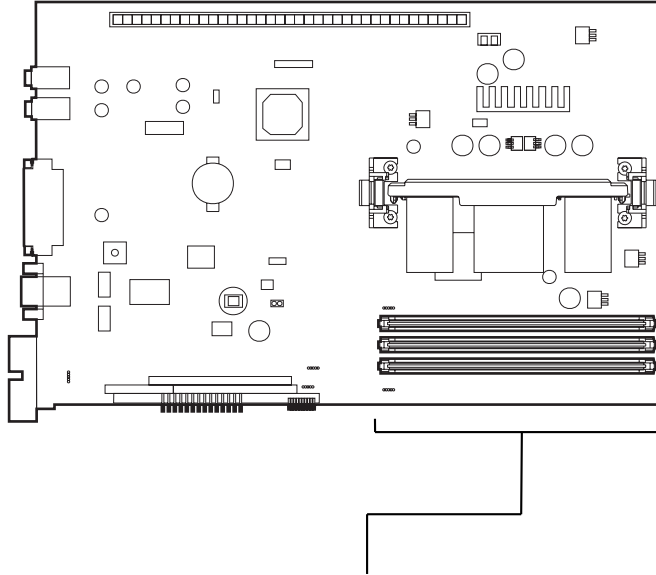
Power Supply/Battery	Assembly	Spare Part
Power Supply, 200 W (Intel 440 BX)	334112-001	334169-001
Power Supply, 200 W (Intel 820)	386461-001	103748-001
Battery, 3V Lithium (Intel 440 BX)	334149-001	179322-001
Battery, 770 Disc, 3V, Lithium/MN02	166899-001	153099-001

Configurable Components	Assembly	Spare Part
CD-ROM, 40X, IDE (Intel 820)	388036-706	400807-001
Hard Drive, 9.1 GB/7200, Wide-Ultra2 SCSI (All)	120852-001	179288-001
Hard Drive, 10.0 GB/7200, UATA/66 (Intel 440 BX)	118179-004	135364-001
Hard Drive, 13.5 GB/7200, UATA/66 (Intel 440 BX)	118179-005	140515-001
Hard Drive, 20.0 GB/7200, UATA/66 (Intel 440 BX)	144369-001	157403-001
Memory, 128 MB RDRAM/712 (1 x 128 MB) (Intel 820)	402833-762	158264-001
Memory, 128 MB RDRAM/800 (1 x 128 MB) (Intel 820)	402833-862	157112-001
NIC, 3Com 10/100, 3C905C-TX, RSA (Intel 820)	402355-001	118042-001
Processor, 650 MHz/100 MHz, PIII (Intel 440 BX)		162955-001
Processor, 700 MHz/100 MHz, PIII (Intel 440 BX)		165055-001

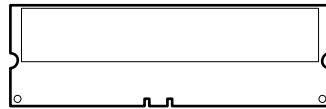
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Memory Upgrade Chart

SYSTEM BOARD
010693-101
128 Mb



A MAXIMUM OF 768 MB TOTAL MEMORY.



128-MB Memory Kit (RDRAM RIMM, 800 MHz) - OPTION PN 157338-B21

256-MB Memory Kit (RDRAM RIMM, 800 MHz) - OPTION PN 157341-B21

128-MB Memory Kit (RDRAM RIMM, 712 MHz) - OPTION PN 157337-B21

256-MB Memory Kit (RDRAM RIMM, 712 MHz) - OPTION PN 157340-B21

64-MB Memory Kit (SDRAM DIMM, 100 MHz) - OPTION PN 154047-B21

128-MB Memory Kit (SDRAM DIMM, 100 MHz) - OPTION PN 154048-B21

256-MB Memory Kit (SDRAM DIMM, 100 MHz) - OPTION PN 154049-B21