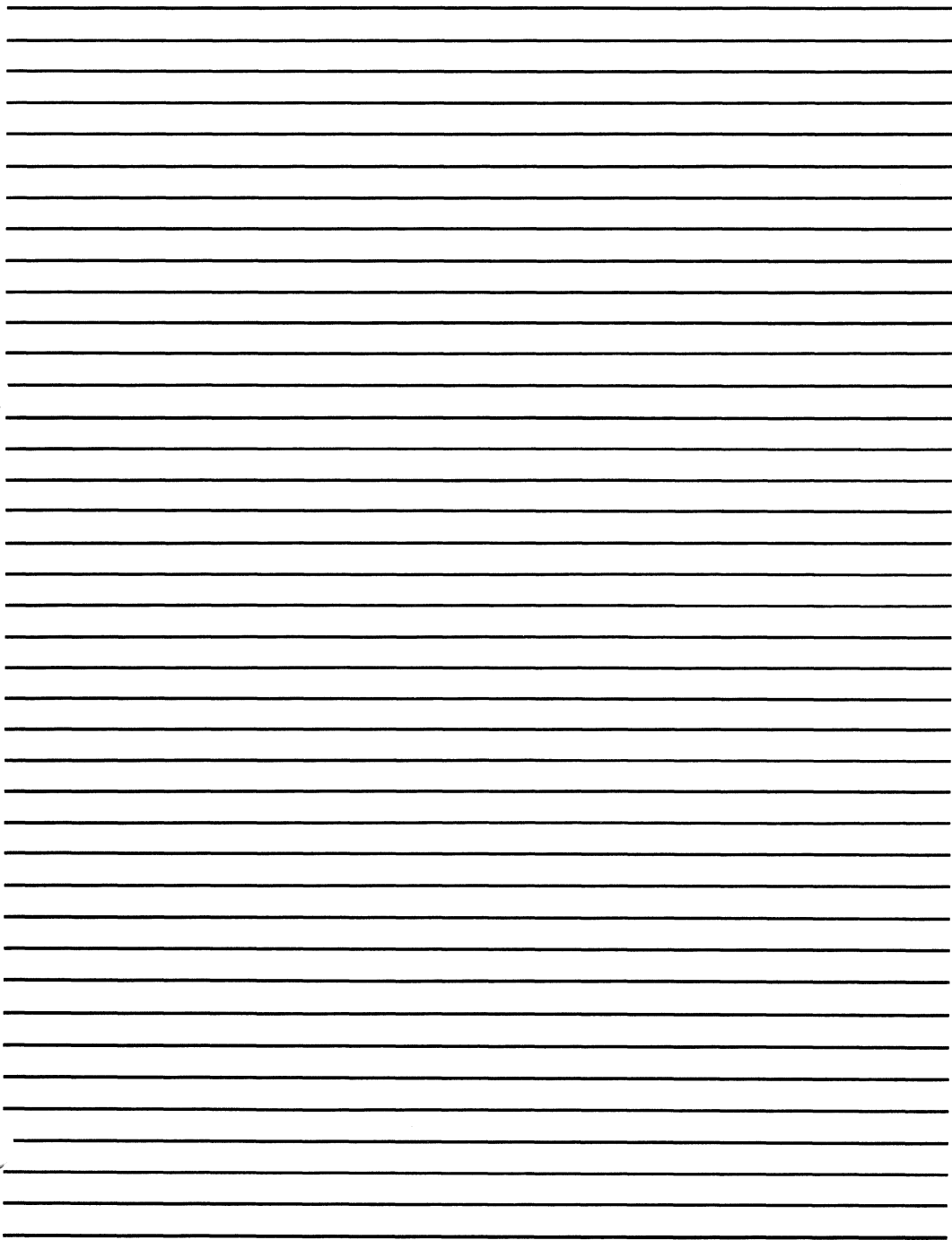


*Repair
and
Spare Parts
Catalog*

EFFECTIVE MARCH 1, 1988



POINT
DATA CORPORATION



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POINT 4 DATA CORPORATION

INTRODUCTION

We, the management and employees of POINT 4 Data Corporation, firmly believe that the quality of the products and services we provide for you, our customer, is the most important aspect of our activity. We always strive to achieve the lowest practical cost to enhance our mutual competitiveness and profitability, but accept no compromise when it comes to quality, reliability, or performance.

This publication describes some of the services that we provide for you after you have received your hardware products, and also the conditions, procedures, and prices that pertain to such services.

If, in spite of our best efforts, we do not provide you with the quality products and services that you expect, please call and remind us of our commitment to quality and to You.

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WARRANTY POLICIES

WARRANTY PERIODS

As described in greater detail in POINT 4's distribution agreements. all equipment manufactured by POINT 4 Data Corporation is warranted to be free from defects in materials and workmanship for one full year. Products sold, but not manufactured by POINT 4, such as disk drives, tape streamers, printers, video display terminals etc., are warranted to be free of defects in materials and workmanship for a period of six months. Defective products returned to POINT 4 during the warranty period will be repaired or replaced at POINT 4's option.

30 DAY EXCHANGES

To alleviate any problems during initial installation POINT 4 will exchange any defective system component, at no charge to the customer, during the first 30 days after shipment. This courtesy is extended only to the original purchaser of the equipment.

All prices, terms and conditions in this catalog are subject to change without notice.

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PROCEDURES

30 DAY EXCHANGE

In the event of a failure within the first 30 days after shipment, the customer should contact POINT 4 Hardware Technical Support. After verification of the failure, Hardware Technical Support will transfer the customer to Customer Service Administration. Please provide Customer Service with the part number and serial number of the defective system component and also the ship-to address and required method of shipment for the exchange. The administrator will issue a Return Authorization (R.A.) number for the defective equipment and arrange for shipment of the exchange. When returning the exchanged unit, please note the R.A. number on the outside of the shipping container.

The customer is expected to return the defective unit to POINT 4 within two weeks of the receipt of the exchange unit. An invoice will be sent to the Customer if the defective unit is not received within thirty days.

REPAIRS

Equipment repaired by POINT 4 is warranted for thirty days. The standard turnaround time for repair of POINT 4 manufactured products is 10 working days. The majority of the peripheral products sold but not manufactured by POINT 4 have a standard turnaround time of 5 days. The manufacturers of these peripheral products require in excess of 4 weeks for their repair cycle. In order to provide timely service to our

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customers, POINT 4 will, after verification of a failure on a customer's peripheral unit, exchange their unit with a like unit, if available. The following products are not exchanged and therefore the repair time may be significantly longer: 1/2 inch streamers and their controllers, and video display terminals.

Please pay particular attention to the packaging of peripherals for shipment; see section on packaging.

POINT 4 has available a 72 hour expedited turnaround for an additional 50% of the out-of-warranty repair price. If due to the severity of a problem or in case of a No-Fault-Found when the 72 hour turnaround cannot be met, the customer will be notified prior to the end of the 72 hour period and the expedite charge will be waived.

Before returning any equipment to POINT 4 for repair, please call Customer Service Administration for a Return Authorization (R.A.) number. This number will allow for tracking once the unit arrives at POINT 4. At this time, please provide the Customer Service Administrator with the following information:

1. Your Company's name, address and phone number.
2. Ship to address, if different from above.
3. Part number and serial number of the defective unit.
4. Purchase order number. (if out-of-warranty or expedited)
5. A description of the problem or failure mode.
6. A person to contact at your company who can answer questions relating to the problem.
7. Standard or 72 hour expedited turnaround.
8. Method of return shipment.

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Note: R.A.'s can not be issued unless all of the above information is supplied.

R.A.'s will be automatically cancelled thirty days after issuance if the subject product has not been received by POINT 4.

When sending the unit in for repair, please note the R.A. number on the outside of the shipping container.

If, in POINT 4's opinion, a unit has been subjected to abnormal use or undue mechanical or electrical stress, the warranty on the unit will be considered void. Pricing will be on a time and materials basis, \$50.00/hour, with a 2 hour minimum. The customer will be informed prior to any work being done and a Purchase Order will be required.

If a reported problem can not be confirmed, we perform tests on the product which greatly exceed routine efforts. For this reason billable repairs, even if no fault is found, are subject to the standard repair charge.

If in POINT 4's opinion a unit under warranty is judged to be unrepairable it will be replaced free of charge with a like unit. The warranty on the replacement will be equal to that remaining on the original unit.

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If a unit, judged to be unrepairable by POINT 4, is no longer under warranty, POINT 4 will provide a trade-in allowance toward the purchase of a new unit. The amount of trade-in allowance is dependent upon the length of time the unit was in service and varies from 48% to 4% during the first 4 years. Beyond 4 years there is no trade-in allowance available.

FREIGHT CHARGES

POINT 4 will ship 30 day exchanges either "second day" or "next day" air, depending on the customer's requirements. During the remainder of the warranty period, POINT 4 will bear the expense of returning the repaired unit to the customer, surface freight. Units shipped air freight at the request of the customer will be shipped freight collect. When the shipment cannot be sent collect, as with UPS, an invoice for the freight charges will be sent to the customer. In both cases the customer is responsible for all freight and insurance costs when shipping to POINT 4. When an item is out-of-warranty, the customer is responsible for all freight and insurance costs both ways.

PACKAGING

Any product returned to POINT 4 must be in the original packaging or POINT 4 standard packaging. If the product is returned in a non-standard, non-approved shipping container which results in damage, the warranty will be voided. If the item to be returned is under warranty, POINT 4 will, at the

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customer's request, ship the required packaging surface freight at no charge. If the item to be returned is out of warranty packaging may be purchased through POINT 4 Production Control.

RENTALS

A customer with a valid Distribution or VAR Agreement in effect may rent equipment from POINT 4, if it is of the same type as the one being returned for repair. The monthly rental fee is 6% of the full list price for POINT 4 manufactured products and 10% of the full list price for items sold but not manufactured by POINT 4. These fees are not discountable. In addition, there will be a \$40.00 handling fee added to the first month's rental fee. Fees for additional months will be invoiced every 30 days until the rental unit is returned.

FUJITSU DISK DRIVES (Out-of-warranty)

Fujitsu has varying repair prices depending on what is wrong with the drive. In an effort to charge a fair price to our customers while also preserving a quick turnaround, the following procedure has been implemented.

If an out-of-warranty Fujitsu drive is sent to POINT 4 for repair, an exchange will be sent to the customer after the failure has been verified. The exchange will be billed at the maximum charge. The customer's purchase order should also reflect this charge. When the drive is returned from repair by Fujitsu, the actual charge to our customer will be developed and matched to the initial charge. If required, a credit will be issued.

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**SPARE PARTS
POLICIES & PROCEDURES**

Orders for spare parts must be placed with POINT 4 Production Control, extension 546.

The minimum order is \$50.00 and a purchase order from the customer is required.

Customers with a valid Distribution or VAR Agreement in effect are entitled to a 20% discount on the published price of all spare parts.

Prices and availability are subject to change without notice. All sales are final.

Pricing is per unit unless otherwise specified in the comments section.

PROM's are shipped programmed with the latest revision of code, unless otherwise requested by the customer. In the description of the PROM's ID code, "X" takes the place of the revision level.

All assemblies and peripherals are fully tested and inspected by POINT 4 before shipment.

Spare parts will be shipped within five working days of the day the order was placed. Parts are shipped FOB from POINT 4's Tustin, California manufacturing facility.

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POINT 4 agrees to ship required emergency spares within one business day from receipt of order. There will be an additional fee for this special service, \$50.00 or 25% of the total order whichever is less.

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
1. 020003	MK2/3 CPU	\$ 375.00
2. 020103	MK2/3 CPU Expansion	100.00
3. 021003	MK3 P.I.B.	275.00
4. 021103	MK2/3 Port Expansion	80.00
5. 021503	MK2 P.I.B.	275.00
6. 024103	MK3 Power Supply	250.00
7. 025003	MK3 Rack Mount Chassis with backplane replacement add 160.00	125.00
8. 026603-XX 026703-XX 026803-XX 026903-XX	Rack Mount Peripheral Subsystems *	200.00
9. 029003	MK3 Tabletop PCB Chassis Assy. with backplane replacement add 160.00	125.00
10. 029303-XX	MK2 Chassis * with backplane replacement add 160.00	250.00
11. 029403	MK2 Power Supply	250.00
12. 029503-XX	MK3 Tabletop Peripheral Chassis * (Priam)	200.00
13. 029603-XX	MK3 Tabletop Peripheral Chassis * (Fujitsu)	200.00
14. 030003	Multiplexer, 8 Port	300.00
15. 030103	Mux Expansion 24 Port	250.00

* The repair price includes testing of the system's peripherals but does not include their repair or replacement; see repair prices for each individual peripheral.

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
16. 030113	Mux Expansion, 16 Port	\$ 210.00
17. 030123	Mux Expansion, 8 Port	170.00
18. 031003	Mighty Mux 310-A8, 8 Port	300.00
19. 031013	Mighty Mux 310-A4, 4 Port	275.00
20. 032203	Connector/Cable	75.00
21. 032213	Connector/Cable, current loop	100.00
22. 034003	External Mighty Mux Power Supply, to 128 Ports	125.00
23. 034013	External Mighty Mux Power Supply, to 64 Ports	100.00
24. 034023	External Mighty Mux Power Supply, to 32 Ports	75.00
25. 034233	External Mighty Mux Power Supply, current loop to 32 Ports	125.00
26. 053000-XX/ 053019-XX	MK4 PIB Expansion, 8 Port	100.00
27. 053001-XX/ 053018-XX	MK4 PIB, 8 Port	325.00
28. 053002-02	MK4 CPU Memory, 512KB	200.00
29. 053003/ 053027-XX	MK4/4E CPU	400.00
30. 053008	MK12 CPU	500.00
31. 053009-01	MK12 Extended Memory, 2MB	400.00
32. 053009-02	MK12 Extended Memory, 4MB	500.00
33. 053015/ 053046	MK6/12 Power Monitor	125.00
34. 053016-01	Lotus Cache Memory, 2MB	400.00

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
35. 053016-02	Lotus Cache Memory 4MB	\$ 500.00
36. 053026-01	MK4, CPU Memory, 1MB	225.00
37. 053026-02	MK4, CPU Memory, 2MB	250.00
38. 053029-01	MK2E CPU, 512KB	425.00
39. 053029-02	MK2E CPU, 256 KB	400.00
40. 053030	MK2E Mux, 4 Port	100.00
41. 053031	MK2E Binarysynchronous Port	100.00
42. 053032	MK2E PIB	125.00
43. 053033	MK2E Additional Memory, 512KB	150.00
44. 053036/ 053036-01	MK6/5E CPU	450.00
45. 053037	MK4E PIB, 16 Port	350.00
46. 053038	MK4E PIB Expansion, 16 Port	150.00
47. 053039-02	MK4E Bisync Port	100.00
48. 060003	MK5 CPU, 128KB	450.00
49. 060013	MK5 CPU, 64KB	350.00
50. 061003	MK5 CPU W/Extended Instruction Set	500.00
51. 061013-00	MK5 CPU, 64KB	350.00
52. 061013-01	MK5 CPU, 128KB	450.00
53. 061903-XX	MK9 CPU	500.00
54. 061923-04	MK9 CPU	500.00
55. 063003	MK5 Power Supply	250.00
56. 063023	MK9 Power Supply	300.00
57. 064003	MK5 Power Supply	500.00

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
58. 065003	MK5 Chassis with backplane replacement add 576.00	\$ 150.00
59. 065013-XX	MK9 Chassis with backplane replacement add 576.00	150.00
60. 067003	Operator Control Unit	140.00
61. 069803-XX	MK5 MPS (5/9)	250.00
62. 069903/ 053043	MK5 MPS	250.00
63. 070003	Lotus 700 Controller	375.00
64. 071003	Lotus 710, SMD/CMD/LMD Controller	350.00
65. 072003	Lotus 720, QIC-02 Interface	250.00
66. 073003	Lotus 730, Multifunction Controller	400.00
67. 080003-00	Lotus Cache Memory 128B	250.00
68. 080003-01	Lotus Cache Memory 256KB	300.00
69. 080003-02	Lotus Cache Memory 512KB	350.00
70. 080003-03	Lotus Cache Memory 1MB	400.00
71. 081001-XX	MK4 Chassis* with backplane replacement add 190.00	350.00
72. 082012-01 082012-03	MK12 Power Supply W/O BBU	300.00
73. 082013-XX	MK12 Chassis with backplane replacement add 1290.00	200.00
74. 082016-XX	MK6/12 Battery Back Up	200.00

* The repair price includes testing of the system's peripherals but does not include their repair or replacement; see repair prices for each individual peripheral.

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
75. 082025-XX	MK6/12 Expansion Chassis	\$ 150.00
76. 082039-XX	MK2E Chassis*	100.00
77. 087002-13	L.C.M. Power Supply	150.00
78. 5115F8	Power Supply Module Power-One, HAA15-0.8-A	156.00
79. 511503	Power Supply Module Power One HCC15.3A	156.00
80. 513200	Power Supply Module DataPower, 15A0193	180.00
81. 513300	Power Supply Module Cherokee, QM2I2	150.00
82. 513400/ 513410	Power Supply Module Condor, LFM410/SP1120	115.00
83. 513530	Power Supply Module Power-One, SPL200-4100P	180.00
84. 513531	Power Supply Module C.E.C., 05D-0242-10A	156.00
85. 513532	Power Supply Module Fortron	156.00
86. 513540	Power Supply Module L&H Research, IM801-1	156.00
87. 513550	Power Supply Module C.E.C., 05D-0047-04A	156.00
88. 513560	Power Supply Module Cherokee, QX6F1	156.00

* The repair price includes testing of the system's peripherals but does not include their repair or replacement; see repair prices for each individual peripheral.

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
89. 515E50	Power Supply Module Sierracin, 5E5A	\$ 220.00
90. 901113	Tape Streamer, 8", 20MB (Cipher, 420-90 or Archive, 9020L-2)	310.00
91. 901117	Disk Drive, 8", 84MB (Fujitsu, M2312)	160.00-1760.00
92. 901118	Disk Drive, 8", 168MB (Fujitsu, M2322)	160.00-2160.00
93. 901119	Tape Streamer, 1/2" tape, 92MB (Cipher-F880).	360.00-1960.00
94. 901121	Disk Drive, 8", 337 MB (Fujitsu, M2333)	160.00-2160.00
95. 901122	Magnetic Tape Subsystem, 1/2", 500MB (Megatape, MT-500C)	900.00
96. 901202	Tape Streamer, 5 1/4", 20MB (Archive, 5920L-2)	310.00
97. 901203-01	Tape Streamer, 5 1/4", 45MB, 24V (Cipher, 540)	310.00
98. 901204	Disk Drive, 5 1/4", 46MB (Atasi, 3046)	600.00
99. 901208	Tape Streamer, 5 1/4", 45MB, 12V (Archive, 5945L-2)	310.00
100. 901209	Disk Drive, 5 1/4", 86MB (Fujitsu, M2243)	160.00-800.00
101. 901211	Disk Drive, 5 1/4", 55MB (Fujitsu, M2242)	160.00-720.00
102. 901212	Disk Drive, 5 1/4", 27MB (Fujitsu, M2235)	160.00-600.00
103. 901213	Disk Drive, 5-1/4", 143MB (Maxtor, XT-1140)	1160.00
104. 901217	Disk Drive, 5-1/4", 85MB (Miniscribe, 6085)	700.00

REPAIR PRICES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
105. 901218	Disk Drive, 5-1/4", 53MB (Miniscribe, 6053)	560.00
106. 901219	Disk Drive, 5-1/4", 191MB (Maxtor, XT2190)	1160.00
107. 901220	Disk Drive, 5-1/4", Half height, 50MB (Miniscribe, 3650)	TBD
108. 901301	Cassette Tape Unit (A.D.P.I., RS232)	300.00
109. 901703	Model 725 1\2-inch Magnetic Tape Controller	285.00
110. 901705/ 901706	Lotus 740/745 Controllers	375.00
111. 901800	Disk Controller, WD1002-05	275.00
112. 904101/ 904101-01	WS100 Video Display Terminal (Lear Siegler, ADM-11)	105.00 keyboard only
		265.00 monitor only or w/keyboard

OPTIONS AND UPGRADES

PART NUMBER	DESCRIPTION/COMMENTS	PRICE
1. 060013/ 061013-00	Memory Upgrade, Mark 5 CPU'S only. (Adds 64KB of memory.)	\$ 950.00
2. 031013	Multiplexer Port Upgrade (Adds additional 4 ports to a 4 port mux, 310-A4)	500.00
3. 0301X3	Multiplexer Expansion port upgrade, (Adds 8 ports to a 301-A8 - 8 port or 301-A16 - 16 port expansion mux.)	500.00
	(Adds 16 ports to a 301-A8 - 8 port expansion mux.)	900.00
4. 021503	Mark 2T P.I.B. upgrade (Adds E.C.O. which allows its use with 86MB drives. This raises the revision level to "C".)	300.00
5. 065003	Mark 5 Chassis upgrade to Mark 9 (upgrades 065003 to 065103-01)	200.00
6. 063003	Mark 5 Power Supply upgrade to Mark 9 (upgrades 063003 to 063023)	150.00
7. 031006	On-Board Power Supply Option for Mighty Mux, 031003	100.00
8. 020003	Mark 3 upgrade for 64KB Memory Expansion Board If microcode prom change is required add \$296.00.	275.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
MARK 2/3 SYSTEM COMPONENTS			
1. 020003	CPU Assembly, (Mark 2 or Mark 3 must be specified due to differing PROMS).		\$ 1940.00
2. 021503	Peripheral Interface Assembly (P.I.B.) Mark 2		1725.00
3. 029403	Power Supply Assembly, Mark 2		1175.00
4. 020103	64 KB Additional main memory		500.00
MARK 2/3 CPU ASSEMBLY PT 4 P/N 020003			
1. PM1CR02	Microcode Proms for Mark 2 CPU Assembly (set of 8 Proms, 212725). \$37.00 each.	8B-11B 13B,14B 9C,10C	296.00
2. PMAN1P2	Manip Proms for Mark 2 CPU Assembly (set of 2 Proms, 212729). \$19.00 each.	5E,6E	38.00
3. PM1CR03	Microcode Proms for Mark 3 CPU Assembly (set of 8 Proms, 212725). \$37.00 each.	8B-11B 13B,14B 9C,10C	296.00
4. PMAN1P3C	Manip Proms for Mark 3 CPU Assembly - CTU Interface (set of 2 Proms, 212729). \$19.00 each.	5E,6E	38.00
5. PMAN1P3A	Manip Proms for Mark 3 CPU Assembly - streamer Interface (Set of 2 Proms, 212729). \$19.00 each	5E,6E	38.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
6. 202903	I.C., 2903ADC	4BC-7BC	\$ 52.50
7. 204116	I.C., D-RAM 16Kx1	9F-24F 9H-24H	3.00
8. 340005	Crystal, 15MHZ	19D	14.70
Mark 2T/3 P.I.B. Assembly PT 4 P/N 021503/021003			
1. 021505	Cable Assembly, 3 Cond. 4 PIN	J15-J16 Mk2 only	65.00
2. 021515-02	Cable Assembly, 40 Cond., ribbon	J7 to J17 Mk2 only	45.00
3. 201488	I.C., 1488, Quad line driver	5H,7H	3.00
4. 201489	I.C., 1489, Quad line receiver	6F,6H	3.00
5. 203450	I.C., MC3450 (021003 only)	9F,15F, 17F 8F, 10F	4.25
6. 206850	I.C., 6850, Asynch comm.	4D, 5.5D 6.5D, 8D	4.80
7. 340006	Oscillator, 9.8304 MHZ	3A	14.40
8. 500012	Board header connector	J1	5.55
9. 500039	Connector, 60 pin (021003 only)	J6	9.40
10. 500201	Friction lock, right angle	J2-J5	3.00
11. 500370	Header, Double Row, 26 pin	MK3 only	4.50
12. 723004	Jumper, movable	J10-16(MK3) J8-14(MK2)	1.00
13. 901800	Disk Control, WD1002	Mark 2 only	440.00
Mark 2T/3 Power Supply PT 4 P/N 029403/024103			
1. 124160	Inductor, 3.7 uH	L2	3.75

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
2. 124161	Transformer, Flyback	T5	\$ 27.60
3. 163262	Inductor, 5.5 uH, 3A	L4-6	3.75
4. 163266	Transformer, current	T3	12.60
5. 163268	Transformer, drive	T2,4	12.80
6. 163270	Inductor, 32uH	L1	11.10
7. 30336Z	Diode, 2NR, 2.5V, LM336Z-2.5		3.00
8. 311648	Rectifier, Bridge, 10A, 600V	CR1	8.00
9. 313030	Rectifier, dual, 30A, 30V	CR8	14.67
10. 323668	SCR, 2N3668	CR6	6.00
11. 350003	Thermistor, 20 OHM	RT1,RT2	3.00
12. 500048	Connector, 15 pin, right angle	P1	16.20
13. 520003	Transformer, AC	T1	17.85
14. 525004	Inductor, 2 uH	L8	11.10
15. 525007	Inductor, 500 uH	L7	14.10
16. 525008	Inductor, 2.4 uH	L3	3.00

Mark 2T Chassis Assembly
PT 4 P/N 029303-XX, 029353-XX

1. 028003	Backplane Assembly		160.00
2. 029213-B	Control Panel Assembly		160.00
3. 029337	A/C Panel Assembly		120.00
4. 029356	Bezel Assembly, front		135.00
5. 029357	Bezel Assembly, rear		135.00
6. 029374	Cable Assembly, data disk drive		14.30
7. 029375	Cable Assembly, control disk drive		18.80
8. 029377	Cable Assembly, streamer interface		22.90

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
9. 129350	Bracket, mounting frame, right		15.00
10. 129360	Bracket, mounting frame, left		8.40
11. 129370	Mounting frame, streamer		15.00
12. 129390	Wrap		144.00
13. 330001	Light, indicator	029337	3.00
14. 505006	A.C. line cord (3 wire)		4.65
15. 505010	Receptacle, 6 AMP AC	029345	3.00
16. 513410	Power module, Condor-SP1120		145.00
17. 519005	Line filter, LF3		27.80
18. 530001	Fan, 110V, 70 CFM		36.80
19. 901207	Floppy Drive, 5 1/4", 1MB		275.00
20. 901208	Tape Streamer, 5 1/4", 60MB (Archive, 5945L-2)		810.00
21. 901209	Disk Drive, 5 1/4", 86MB (Fujitsu, M2243)		2350.00
22. 901211	Disk Drive, 5 1/4", 55MB (Fujitsu, M2242)		1635.00
23. 901217	Disk Drive, 5 1/4", 85MB, (Miniscribe, 6085)		1290.00
24. 901220	Disk Drive, 5 1/4", Half Ht, 50 MB (Miniscribe, 3650)		500.00
Mark 3 Chassis Assembly - Rackmount PT 4 P/N 025003			
1. 025103	Minipanel Assembly		125.00
2. 025303	Bracket Assembly		29.30
3. 028003	Backplane Assembly		160.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
4. 062013	Front Panel Assembly		50.00
5. 507012	Switch, momentary, push	025103	8.40
6. 530004	Fan, 115V, 115CFM		39.30
Mark 3 Chassis Assembly - Table Top PT 4 P/N 029003			
1. 028003	Backplane Assembly		160.00
2. 029203	Sidepanel Assembly		305.00
3. 029213	Minipanel Assembly		140.00
4. 129100	Wrap		120.00
5. 129110	Bezel, front		84.00
6. 129120	Bezel, rear		84.00
7. 505104	Card guide, nylon		1.00
8. 507012	Switch, momentary, push	029213	8.40
9. 530003	Fan, 115V, 50CFM		40.50
Mark 3 Peripheral Chassis Assembly PT 4 P/N 029503-XX, 029603-XX			
1. 029223	Bracket Assembly, A.C.		120.00
2. 129005	"A" Cable Assembly, 60 Conductor		52.50
3. 129015	"B" Cable Assembly, 26 Conductor		24.00
4. 129025	Streamer Cable Assembly, 50 Conductor		36.00
5. 129100	Wrap		120.00
6. 129510	Bezel, front		71.60
7. 129520	Bezel, rear		71.60
8. 129650	Bracket, disk drive mount, Fujitsu only (2 pcs are required per drive)		7.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
9. 513200	Power Supply Module, Datapower DP-200 (Priam drives only, 029503-XX)		510.00
10. 513300	Power Supply Module, Cherokee QM212 (Fujitsu drives only, 029603-XX)		455.00
11. 519005	Line filter, LF3		27.80
12. 530003	Fan, 115V, 50CFM		40.50
13. 530005	Fan, mini-boxer, 115V		46.50
14. 901118	Disk drive, 8", 168MB, (Fujitsu,2322)		4330.00
MARK 2E SYSTEM COMPONENTS			
1. 053029-01	CPU Assembly, 512KB memory		3550.00
2. 053029-02	CPU Assembly, 256KB memory		2850.00
3. 053032	Peripheral Interface Assembly		250.00
MARK 2E CPU ASSEMBLY PT 4 P/N 053029-XX			
1. 203122-25	I.C., 7C122-25, CMOS, 256X4 RAM 25NS	18F-20F	20.00
2. 204464	I.C., 4464, 64KX4 DRAM, 120NS	14L-21L 14K-21K	11.00
3. 209235	I.C., 7C235-40, 1KX8, CMOS PROM ID Codes: 0910XX-3D, 0910XX-4D, 0910XX-5D, 0910XX-6D, 0910XX-7D, 0910XX-8D, 0910XX-9D, 0910XX,10D, 0910XX-11D, 0910XX-5E	3D-11D, 5E	37.00
4. 212729	I.C., 27S29, 512X8 PROM ID Codes: 0910XX-6E, 0910XX-8E	6E, 8E	19.00
5. 212764	I.C., 2764-30, 8KX8 EPROM ID Codes: 0910XX-20D, 0910XX-22D	20D, 22D	17.35
6. 2316L8	I.C., PAL, 16L8, 15NS, ID Codes: 920XX-3F, 920XX-7K	3F,7K,	21.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
7. 239C03	I.C., 39C03A, Microprocessor, CMOS	11G,13G,14G, 16G	41.00
8. 340000	Oscillator, Crystal, 4.9152 MHz	Y2	14.50
9. 340010	Oscillator, Crystal, 25MHz	Y1	9.00
10. 500238	Connector, PCB edge, 50 position Solder, Female	J3-J7	6.40
11. 500240	Connector, header, 2 position, Solder, Male	J11, J12	1.00
12. 500241	Connector, header, 7 position, Solder, Male	J13	2.00
13. 500242	Connector, header, 6 position Solder, Male	J8, J9	1.00
14. 500250	Connector, PCB edge, 40 position Solder, Female	J10	11.80
15. 500611	Connector, PCB edge, 72 position	J2	9.90
16. 500626	Connector, header, 2 position, Solder, Male	W3	3.00
17. 507113	Switch, 120V, PCB	SW1	10.50
MARK 2E MUX PORT ASSEMBLY PT 4 P/N 053030			
1. 142095	Bracket mtg, async PCB		9.60
2. 201488	I.C., 1488N, Quad line driver	U8, U10	2.00
3. 201489	I.C., 1489A, Quad line receiver	U5,7,9	2.00
4. 206850	I.C., F68B50P, Async data adaptor	U1-U4	4.80
5. 272244	I.C., 74LS244, Oct. buffer/line driver	U6	3.00
6. 500236	Connector, modular jack, 8 position, solder	J2-J5	3.50
7. 50608P	Switch, DIP, 5A, 30VDC	SW1, SW4	5.55

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
Mark 2E BINARYSYNCHRONOUS ASSEMBLY PT 4 P/N 053031			
1. 088061	Cable assembly, sync port interface		40.00
2. 142088	Bracket, Bi-sync mount		20.60
3. 201488	I.C.	U3	3.00
4. 201489	I.C.	U1, U4	3.00
5. 202661	I.C., 2661-2, programmable conn. inf.	U2	37.80
6. 500609	Connector, header, 25 position, right angle	J1	9.00
Mark 2E Peripheral Interface Assembly PT 4 P/N 053032			
1. 142087	Bracket, mounting		9.30
2. 273004	I.C., 74F04	U4	2.00
3. 273008	I.C., 74F08	U6	2.00
4. 273032	I.C., 74F32	U10, U11	2.00
5. 273074	I.C., 74F74	U15, U16, U19	2.00
6. 273139	I.C., 74F139	U5	3.00
7. 500065	Connector, housing, 4 position, PCB, right angle	J2	3.00
8. 500243	Connector, header, 40 position, solder, right angle	J1	7.20
MARK 2E 512KB Memory Assembly PT 4 P/N 053033			
1. 142087	Bracket, mounting		9.30
2. 204464	I.C., 4464, 64K X 4 DRAM, 120NS	U1-U16	11.00
3. 273000	I.C., 74F00, Quad 2 in NAND	U21	2.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
4. 273037	I.C., 74F37	U17	3.00
5. 273138	I.C., 74F138	U19	3.00
6. 273244	I.C., 74F244, Octal buffer/line driver	U18, 20	3.00
Mark 2E Chassis Assembly			
PT 4 P/N 082039-XX			
1. 088023-02	Cable Assembly, Disk drive/LED, Fujitsu		63.00
2. 088061	Cable Assembly, sync port interface		40.00
3. 088067	Cable Assembly, W/D power		60.00
4. 088068	Cable Assembly, streamer control		80.00
5. 088069	Cable Assembly, disk data		40.00
6. 088070	Cable Assembly, floppy control		50.00
7. 088071	Cable Assembly, disk control		50.00
8. 088072	Cable Assembly, W/D Control		65.00
9. 088074-02	Cable Assembly, disk drive/LED, Maxtor		63.00
10. 088095-02	Cable Assembly, disk drive/LED, Miniscribe		60.00
11. 142139	Bracket retainer		6.00
12. 189018	Bezel Assembly with door		140.00
13. 189020	Wrap		62.00
14. 513532	Power Supply, Switching (Fortron)		170.00
15. 901208	Tape Streamer, 5 1/4", 60MB (Archive, 5945L-2)		810.00
16. 901209	Disk Drive, 5 1/4", 86MB (Fujitsu, M2243)		2350.00
17. 901211	Disk Drive, 5 1/4", 55MB (Fujitsu, M2242)		1635.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
18. 901213	Disk Drive, 5 1/4", 143MB (Maxtor, XT-1140)		3365.00
19. 901217	Disk Drive, 5 1/4", 85MB (Miniscribe, 6085)		1290.00
20. 901218	Disk Drive, 5 1/4" 53MB (Miniscribe, 6053)		965.00
21. 901800	Disk Controller, WD1002		440.00
22. 903200	Misc. Hardware Kit for MK2E		10.00
Mark 4 System Components			
1. 053003	CPU Assembly for 512 KB Memory Assembly		3250.00
2. 053018-01	Peripheral Interface Assembly (Supports 8 or 16 ports)		2300.00
3. 053019-01	8 Port MUX Expansion Assembly		1200.00
4. 053019-03	8 Port MUX Expansion Assembly, with 1 Bisync port		1250.00
5. 053027-01	CPU Assembly for 1 or 2MB memory assembly (supports 16 or 32 ports)		3500.00
6. 053027-02	CPU Assembly for 1 or 2MB memory assembly (supports 8 or 16 ports)		3500.00
7. 053037	Peripheral Interface Assembly, (supports 16 or 32 ports)		3450.00
8. 053038	16 Port Mux Expansion Assembly (requires 053037 PIB)		1550.00
9. 053045-01	Small system Winchester/Floppy Controller		1470.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
Mark 4/4E CPU Assembly			
PT 4 P/N 053003/053027-XX			
1. 212764	I.C., 2764-30, E-PROM 053003/053027 CPU ID Codes: D4FX, D6FX 053027-01/-02 CPU ID Codes: 0910XX-4F, 0910XX-6F Must specify whether for 053027-01 or 053027-02	4F,6F	17.35
2. 212725	I.C., 27S25 PROM 053003/053027 CPU ID Codes: D8DX, D9DX, D10DX, D11DX, D12DX, D13DX, D15DX, D16DX, D17DX	8D,9D,10D 11D,12D, 13D,15D 16D,17D	37.00
3. 21725A	I.C., 27S25A, PROM 053003/053027 CPU ID Code: D14DX	14D	40.00
4. 212729	I.C., 27S29, PROM 053003/053027 CPU ID Codes: D19DX, D17BX 053027-01/-02 CPU ID Codes: 0910XX-17B, 0910XX-19D Must specify whether for 053027-01 or 053027-02	17B,19D	19.00
5. 21735A	I.C., 27S35A, PROM Must specify whether for 053027-01 or 053027-02 ID Codes: 0910XX-8D, 0910XX-9D, 0910XX-10D, 0910XX-11D, 0910XX-12D 0910XX-13D, 0910XX-14D 0910XX-15D, 0910XX-16D, 0910XX-17D.	8D,9D,10D, 11D,12D,13D 14D,15D,16D 17D	44.00
6. 2316L8	I.C., PAL16L8B ID Code: 920XX-21G Must specify whether for 053003/053027 or 053027-01 or 053027-02 CPU	21G	21.00
7. 202903	I.C., 2903A	2D,4D,5D,7D	52.50
8. 202949	I.C., 2949	7A,8A	9.30

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
9. 340010	Crystal, 25MHZ, OSC	Y1	9.00
10. 500076	Connector, 50 pin, 400 leads, header	J2,J3	4.60
Mark 4/4E CPU Memory Assembly			
PT 4 P/N 053002-02/053026-01/-02			
1. 203422	I.C., 93422	8F,10F	13.50
2. 204164-12	I.C., 4164, 64X1, DRAM (12ONS) (053002-02 only)	1A-16A, 1B-16B 1C-16C, 1D-16D	3.00
3. 211256	I.C., 1256, 256X1 DRAM (053026-XX only)	1A-16A, 1B-16B 1C-16C, 1D-16D	9.00
4. 500126	Connector, 50 position, vertical mount	P2,P3	6.40
Mark 4 Peripheral Interface Assembly			
PT 4 P/N 053001-XX/053018-XX			
(For 8 or 16 Ports)			
1. 021505	Cable Assembly, 3 cond, 4 pin		65.00
2. 021515-02	Cable Assembly, 40 conductor		45.00
3. 201488	I.C., 1488	6E,10E,13E,17E	3.00
4. 201489	I.C., 1489	7E,9E,11E,12E 14E,16E	3.00
5. 206850	I.C., 68B50	7D-10D,12D-15D	4.80
6. 273161	I.C., F161		6.00
7. 340000	Crystal, 4.9152 MHZ	Y1	14.50
8. 500065	Connector, 4 pin, right angle	J3	3.00
9. 500076	Connector, 50 pin, straight, double row	J4	4.60
10. 500340	Connector, 40 pin header, double row	J2	5.30
11. 500349	Connector, 50 pin, right angle header	J5	8.25

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
12. 500371	Connector, 50 pin male header	J1	8.20
13. 500603	Connector, 16 pin header		3.00
14. 901800	Disc Controller, WD1002-05 (ECO'd per 089000 dwg for MK 4 operation)		440.00
Mark 4, 8 Port Expansion Assembly PT 4 P/N 053000-XX			
1. 201488	I.C., 1488	5B,9B, 12B,16B	3.00
2. 201489	I.C., 1489	6B,8B,10B, 11B,13B,15B	3.00
3. 206850	I.C., 68B50	6A,7A,9A,10A 11A,13A,14A,16A	4.80
4. 500126	Connector, 50 position, female	P4	6.40
5. 500349	Connector, 50 pin right angle	J14	8.25
6. 500603	Connector, 16 pin header		3.00
Mark 4, 8 Port Expansion Assembly PT 4 P/N 053019-XX (-03 has Bisync capability)			
1. 201488	I.C., 1488	7B,11B,14B,18B (2A Bisync only)	3.00
2. 201489	I.C., 1489	8B,10B,12B,13B, 15B,17B, (3A,4A Bisync only)	3.00
3. 202661	I.C., 2661-2	7A(Bisync only)	37.80
4. 206850	I.C., 68B50	9A,10A,12A,13A, 14A,16A,17A,18A	4.80
5. 500126	Connector, 50 position female	P4	6.40
6. 500171	Connector, 26 pin, straight male header	J15(Bisync only)	4.20

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
7. 500349	Connector, 50 pin right angle	J16	8.25
8. 500603	Connector, 16 pin header		3.00
Mark 4E 16 Port Mux Expansion Assembly PT 4 P/N 053038			
1. 201C88	I.C., DS14C88, Quad CMOS line driver/receiver	1B,3B,4B,6B,7B,9B,10B,12B	3.00
2. 201C89	I.C., DS14C89A, Quad CMOS, line driver, receiver	1C,3C,4C,6C,7C,9C,10C,12C	3.00
3. 201489	I.C., Quad line receiver	2B,5B,8B,11B	3.00
4. 202681	I.C., SCN2681, Dual async rec/tran	1A,3A,4A,6A,7A,9A	17.00
5. 275138	I.C., 74ALS138, 3-8LN DEC/DMUX	13A	3.00
6. 275244	I.C., 74ALS244, Octal Buf	2C,5C,8C,11C	3.50
7. 273004	I.C., 74F04, Hex inverter	13C	2.00
8. 500126	Connector, PCB, 50 Position, Solder, Female	P5	6.40
9. 500349	Connector, Header, 50 Position, Solder, Male	J8, J9	8.25
MARK 4E Peripheral Interface Assembly for 16 or 32 Ports PT 4 P/N 053037			
1. 201C88	I.C., DS14C88, Quad CMOS, line driver/receiver	7F,9F,10F,12F,13F,15F,16F,18F	3.00
2. 201C89	I.C., DS14C89A, Quad CMOS line driver/receiver	7G,9G,10G,12G,13G	3.00
3. 202681	I.C., SCN2681, Dual Async, rec/trans	7D,9D,10D,12D,13D,15D,16D,18D	17.00
4. 204040	I.C., 74HCT4040, 12-Stage binary	3C	3.00
5. 340000	Crystal Oscillator, 4.9152 MHz	Y1	14.50

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
6. 340013	Crystal Oscillator, 3.6864 MHz	Y2	13.50
7. 500065	Connector, header, 4 position, PCB, RT-angle	J3	3.00
8. 500326	Connector, header, 26 position Solder, Male	J4	3.00
9. 500340	Connector, header, 40 position, Solder, Male	J2	5.30
10. 500349	Connector, header, 50 position Solder, Male	J6, J7	8.25
11. 500350	Connector, header, 50 position Solder, Male	J5	6.50
12. 500371	Connector, header, 50 position Solder, Male	J1	8.20
13. 507111	Switch 1 pole, DIP, 10 position	SW1	8.50
14. 901800	Disk Controller, WD1002		440.00

**Mark 4E One Bisync Port
Pt 4 P/N 053039-02
(For use with 053037 PIB)**

1. 201488	I.C., 1488N, Quad line driver	U3	3.00
2. 201489	I.C., 1489A, Quad line receiver	U1, U4	3.00
3. 202661	I.C., 2661-2, Programmable Com Inf	U2	37.80
4. 500221	Connector, header, 26 position, solder	J2	3.70
5. 500624	Connector, PCB, 26 position, solder	P2	16.50

**MARK 4/4E CHASSIS ASSEMBLY
PT 4 P/N 081001-XX**

1. 082006	8 Port I/O Assembly, DB Connectors, with mounting hardware		228.00
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SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
2. 053005-01	Backplane Assembly		190.00
3. 053007	Display Panel Assembly		105.00
4. 053011	Power Switch Assembly	082030	115.00
5. 053040	16 Port I/O Assembly, RJ45 Connectors		500.00
6. 053040-01	8 Port I/O Assembly, RJ45 Connectors		325.00
7. 082000	Reset Switch Assembly		60.00
8. 082001	Keyswitch Assembly		85.00
9. 082030	Power Supply Assembly		1000.00
10. 088000-36	Cable Assembly, 50 cond.	053004	60.00
11. 088002	Cable Assembly, Peripheral D.C.		105.00
12. 088004	Cable Assembly, A/C Control		50.00
13. 088008	Cable Assembly, Disk Data		55.00
14. 088010	Cable Assembly, Disk Drive Control (single drive)		60.00
15. 088011	Cable Assembly, Tape Drive Control		65.00
16. 088014	Cable Assembly, Disk Drive Control (multi-drive)		80.00
17. 088015	Cable Assembly, Fan Power		35.00
18. 088016	Cable Assembly, Backplane to display control		55.00
19. 088018-06	Cable Assembly, Ground Wire		45.00
20. 088023-01	Cable Assembly, Disk Drive/L.E.D., Fujitsu		50.00
21. 088050	Cable Assembly, Bisync (053019-XX)		85.00
22. 088064	Cable Assembly, Aux. power supply		105.00
23. 088065	Cable Assembly, D.C. Power		105.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
24. 088074-01	Cable Assembly, Disk Drive/L.E.D., Maxtor		40.00
25. 088080	Cable Assembly, 50 Cond, ribbon Cable, 36"		90.00
26. 088095-01	Cable Assembly, Disk Drive/L.E.D., Miniscribe		60.00
27. 142002	Front Bezel		200.00
28. 142011	Overlay, front Bezel		13.20
29. 142012-01	Panel, side-left		109.20
30. 142012-02	Panel, side-right		109.20
31. 142013	Top cover		57.80
32. 163272	Transformer, 24VCT, 115/220V 50/60 HZ Price per each is \$37.50.	053011	13.80
33. 500626	Connector, Mod Jack, 8 Pos., Vert Mtg	053040-XX	3.00
34. 505018	Keyswitch, 3 position	082001	20.90
35. 505021	Power cord 115 VAC		18.80
36. 507018	Switch, line selector, DPDT,	053011	5.60
37. 513410	Power Supply, Condor, SP1120		145.00
38. 513531	Power Supply, 250W, 5 output CEC, 05D-0242-10, if replacing 513530 (SPL-200) will require P/N 088065 cable assy, DC power	082030	400.00
39. 519014	Relay, PCB, 12VDC, DPST	053011	8.80
40. 530009	Fan, 12VDC, 50CFM		46.90
41. 901207	Floppy Drive, 5 1/4", 1MB		275.00
42. 901208	Tape Streamer, 5 1/4", 45MB (Archive, 5945L-2)		810.00
43. 901209	Disk Drive, 5 1/4", 86MB (Fujitsu, M2243)		2350.00
44. 901213	Disk Drive, 5 1/4", 143MB (Maxtor, XT-1140)		3365.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
45. 901217	Disk Drive, 5 1/4", 85MB (Miniscribe, 6085)		1290.00
46. 901219	Disk drive, 5-1/5", 190MB, (Maxtor, XT2190)		3595.00
Mark 5 Central Processing Unit			
PT 4 P/N 060013/060003			
1. PM1CR05	Microcode Proms (set of 5 Proms, 212727 except 10B is 212726). 212727 is \$38.90/ea 212726 is \$44.00/ea.	6B,7B,8B,9B, 10B	199.60
2. PSELF5	Selftest Proms (set of 2 Proms, 212729). \$19.00/ea.	13C, 16C	38.00
3. PMANIP5P	Manip Proms - Paper Tape interface (set of 2 Proms, 212729). \$19.00/ea.	14C, 15C	38.00
4. PMANIP5C	Manip Proms - CTU interface (set of 2 Proms, 212729). \$19.00/ea.	14C, 15C	38.00
5. 053043	Micro Program Sequencer	12B	950.00
6. 161260	Switch cap, TST		3.00
7. 204116	I.C., 16Kx1 D-RAM	1J-8aJ, 1K-8aK 1L-8aL, 1M-8aM	3.00
8. 208304	I.C., 8304	14B, 15B, 10M, 11M	4.50
9. 218212	I.C., 82S12	13D-16D	42.80
10. 340002	Oscillator, 30MHZ	6D	19.30
11. 50608P	Dipswitch, 8 position, piano	SW1, SW2	5.55
12. 507007	Switch, push button	SW6	8.70

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
Mark 5 Central Processing Unit PT 4 P/N 061013-XX, 061003			
1. PMICRO5A	Microcode Proms (set of 6 Proms, 212725). \$37.00 each	6C,8C-12C	222.00
2. PSELF5A	Self test Proms (set of 2 Proms, 212729). \$19.00/ea.	20J,22J	38.00
3. PMANIP5A	Manip proms (set of 2 Proms, 212729). \$19.00/ea.	19J,21J	38.00
4. PMICR05E	Microcode Proms, Mark 5 with extended instr. set (set of 9 Proms, 212725 except 13B is 212729). 212725 = \$37.00/ea., 212729 = \$19.00/ea.	6C,7C,8C,9C 10C,11C,12C 13C, 13B	315.00
5. 069803-01	Micro Program Sequencer		950.00
6. 069803-04	Micro Program Sequencer with Extended Instruction Set		950.00
7. 161260	Switch cap, TST		3.00
8. 161261	Switch cap, CONT		3.00
9. 161262	Switch cap, APL		3.00
10. 161263	Switch cap, STOP		3.00
11. 204116	I.C., 16Kx1 D-RAM		3.00
12. 208304	I.C., 8304	19A,20A, 21K,21L	4.50
13. 209705	I.C., 9705	18C,18D 19C,19D	18.80
14. 340002	Oscillator, 30MHZ	3F	19.30
15. 50608P	Dipswitch, 8 position, piano	SW5,SW6	5.55

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
16. 507007	Switch, push button	SW1	8.70
Mark 9 Central Processing Unit PT 4 P/N 0619X3-XX			
1. PMICR09	Microcode Proms (set of 10 Proms, 21735A). Price per each is \$44.00	19E-28E	440.00
2. PSELF9	Self test Proms (set of 2 Proms, 212729). Price per each is \$19.00.	5E,7E	38.00
3. PMANIP9	Manip Proms (set of 2 Proms, 212729). Price per each is \$19.00	6E,8E	38.00
4. PMPSEQ9	Micro Program Sequencer Proms 061923-XX only (set of 2 Proms, 21735A). Price per each is \$44.00.	25F, 26F	88.00
5. 069803-03	Micro-Program Sequencer 061903-XX and 061913-XX only		950.00
6. 161260	Switch cap, TST	SW1	3.00
7. 202600	I.C., INS2600-12 RAM	1G-22G,1H-22H 1I-22I,1J-22J	6.00
8. 202960	I.C., 2960	17F	117.00
9. 203422	I.C., 3422	24G-26G	13.50
10. 208304	I.C., 8304	27A,29A,1E,11E	4.50
11. 209705	I.C., 9705	3A,6A,8A,11A	18.80
12. 21735A	Vector Prom	18E	44.00
13. 272379	I.C., LS379	061903-XX, 061913-XX, only	3.00
14. 340008	Crystal, 40MHZ, K115A	18A	14.20
15. 50608P	Dipswitch, 8 position, piano	SW5,SW6	5.55
16. 507007	Switch, push button	SW1	8.70

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
MARK 5/9 POWER SUPPLY			
PT4 P/N 063003/063023			
1. 063103	B.B.U. Regulator Assembly (Specify whether for MK5 or MK9)		780.00
2. 063203	Main Power Regulator Assembly		950.00
3. 063303	Indicator Assembly		135.00
4. 163205	Cable, BBU to power supply Mark 5 only		23.60
5. 163245	Cable, BBU to power supply Mark 9 only		76.80
6. 163267	Transformer, power	T101	60.90
7. 163271	Filter, 125/250V, line	FL1	40.50
8. 163800	Battery clamp		4.50
9. 440004	Capacitor, 2500UF, 200V	C101,C102	21.50
10. 519003	Battery, 12V, 1.9AH	BT1	42.80
11. 530001	Fan, 70CFM, 115V	B1	36.80
12. 663001	Mark 5/9 Power Supply Cover		28.50
PT 4 P/N 63103, BBU REGULATOR			
1. 163262	Inductor, 5.5uh, 3AMP	L1,L2,L3	3.75
2. 163265	Transformer, current drive	T1	12.60
3. 163280	Transformer, flyback inverter	T2	33.80
4. 323005	Diode, 25V, 0.5A, MCR202	CR10	3.00
PT 4 P/N 063203, MAIN POWER REGULATOR			
1. 163230	Resistor, Precision, .002 ohms		5.55
2. 163260	Inductor, .25uH, 40A	L4	6.60
3. 163261	Inductor, 19uH, 40AMPS	L8	14.90

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
4. 163262	Inductor, 5.5uH, 3.0A	L1,L2,L3	3.75
5. 163264	Transformer, inverter	T4	35.20
6. 163266	Transformer, current	T2	12.60
7. 163268	Transformer, Drive	T1, T3	12.80
8. 314937	Rectifier, 1A, 600V	CR13,CR20-CR22	.40
9. 402221	Capacitor, ceramic, 220pf, 200V	C9,C10,C35	.40
10. 406472	Capacitor, polycarb., .0047ufd, 630V9.	C34	1.00
11. 525001	Inductor, 1.0uH, 1.5A	L5	18.80
12. 525002	Inductor, 500uH, 2.75A	L6,L7	18.80
Mark 5 Power Supply (Obsolete)			
PT 4 P/N 064003			
1. 064103	BO1 Board Assembly		495.00
2. 064303	L.E.D. Board Assembly		56.50
3. 164010	Filter, EMI		72.00
4. 208212	I.C., ICL8212	U6	3.00
5. 500001	Connector, Housing, 15 position crmp		2.00
6. 505008	Solid State relay	SSR1	41.00
7. 505103	Head lock, fastener, adhesive backed		.40
8. 510501	Power supply, -5V, 1.2A	PM5	49.00
9. 511503	Power supply, 15V, 3A	PM15	169.00
10. 515E50	Power supply, +5V, switches	PM5S	404.00
11. 519002	Battery	BT-3	34.50
12. 520002	Transformer	T101	40.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
13. 530003	Fan, 115V, 50CFM	B1	40.50
Mark 5/9 Chassis			
PT4 P/N 065003/065013-XX			
1. 062013	Front Panel Assembly		50.00
2. 065103	Minipanel Assembly		330.00
3. 068503	Jumper Saver Assembly		85.00
4. 165090	Retainer Spring		11.70
5. 168205	Cable Assembly, Chassis to power supply, MK 5		135.00
6. 168215	Cable Assembly, Chassis to power supply, MK9		112.00
7. 168403	Backplane Assembly		576.00
8. 505004	Keypad and key		14.70
9. 507001	Switch, push button, "APL"		4.30
10. 507002	Switch, push button, "CONT"		4.30
11. 507003	Switch, push button, "STOP"		4.30
12. 530007	Fan, 100 CFM, 115V		35.40
MARK 6/5E CPU ASSEMBLY			
PT 4 P/N 053036/053036-01			
1. 212764	I.C. 2764-30, E-Prom ID Code: 910XX-11C, 910XX-13C	11C,13C	17.35
2. 21728A	I.C. 27S281A, Prom ID Code: 910XX-18C, 910XX-19C, 910XX-20C, 910XX-21C, 910XX-22C, 910XX-18H, 910XX-19H, 910XX-20H, 910XX-21H, 910XX-22H, Must specify whether for 053036 (MK6) or 053036-01 (MK5E).	18C,19C,20C, 21C,22C,18H, 19H,20H,21H, 22H	25.00
3. 2316R4-10	I.C., PAL, 16R4, 10NS ID Codes: 920XX-18E, 920XX-19E	18E,19E	27.70

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
4. 2316R4-15	I.C., PAL, 16R4, 15NS ID Codes: 920XX-4C, 920XX-10E	4C,10E	20.50
5. 2316L8	I.C., PAL, 16L8B ID Codes: 920XX-17H, 920XX-18F, 920XX-5H, 920XX-19G, 920XX-17G, 920XX-5G, 920XX-17F	17H,18F,5H, 19G,17G,5G, 17F	21.00
6. 2316L8-10	I.C., PAL, 16L8, 10NS ID Code: 920XX-17E	17E	28.00
7. 2316R8	I.C., PAL, 16R8B ID Code: 920XX-21A	21A	20.80
8. 500185	Connector, header, 4 Position	JP1	2.00
9. 50608P	Switch, DIP, 5A, 30VDC	SW1, SW2	5.55
10. 507020	Switch, PB, .4VBA and 20V	SW3,SW4,SW5	7.15
MARK 12 CPU ASSEMBLY PT4 P/N 053008			
1. 212167	I.C., 16K Static RAM	1B-8B,1C-8C, 1D-8D,1E-8E, 1F-8F,1G-8G 1H-8H,1J-8J	14.88
2. 212764	I.C., 2764 E Prom, ID Codes 9100X-17B, 9100X-17E	17B,17E	17.35
3. 21719A	I.C., 27S19A, Prom, ID Codes 9100X-26K through 29K	26K,27K,28K, 29K	15.25
4. 217291	I.C., 27S291A, Prom, ID Codes 9100X-25F thru 28F, 24J thru 29J	25F-28F, 24J-29J	42.10
5. 2316L8	I.C., PAL, 16L8B, I.D. Codes 92001-27A, 92002-15B, 92003-24C 92004-25C, 92005-15E, 92006-23F 92007-18H, 92008-25K	27A, 15B, 24C 25C, 15E, 23F 18H, 25K	21.00
6. 2316R8	I.C., PAL, 16R8B, I.D. Code 92009-19A	19A	20.80
7. 273181	I.C. 74F181	13B,14B,13E,	10.50

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
	Slim line package	14E,14F,15F, 14J,15J	
MARK 6/12 EXTENDED MEMORY ASSEMBLY			
PT4 P/N 053009-XX			
1. 211256	I.C., 1256, 256KX1 DRAM		9.00
2. 212721	I.C., 27S21 Prom ID Code 91001-24D	24D	15.10
3. 22729A	I.C., 27S29A, Prom, I.D. Codes 91002-31B thru 31F	31B,31C,31D 31E,31F	26.70
4. 275632	I.C., 74ALS632, EDAC	23D,23H	215.00
5. 340012	Oscillator/crystal, 12.5MHZ	Y1	18.75
6. 506040	Dip switch, 4 position		3.60
MARK 6/12 CHASSIS ASSEMBLY, 8-SLOT			
PT4 P/N 082013-XX			
1. 053012	Jumper Saver Assembly		88.00
2. 065105-01	Ribbon cable assembly		125.00
3. 082015-01	Side panel assembly 110V		355.00
4. 082020	Bezel assembly for chassis & power supply		190.00
5. 082021	Minipanel assembly		185.00
6. 082027	Bracket assy., cable clamp		51.00
7. 082028-02	Bezel assy., chassis		87.00
8. 088026	Cable assembly, main power supply, D.C.		135.00
7. 088033	Cable assembly, power control		55.00
8. 153013	Backplane assembly		1200.00
9. 505027	Keypress, 6A, 125V, 4 position	S1 on 082021	18.40

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
10. 505028	Extra Key for 505027 keyswitch		2.00
11. 530012	Fan, 104CFM, AC, 115V		120.00
MARK 6/12 EXPANSION CHASSIS			
Pt 4 P/N 082025-XX			
1. 053024	Jumper saver assembly, Exp. chassis		230.00
2. 082027	Assy, cable clamp, ribbon		51.00
3. 082028-03	Front Bezel assembly, Exp. Chassis		90.00
4. 089012	Backplane assy, modified		1230.00
5. 088053	Cable assembly, Exp. chassis		48.00
6. 088054-01	Cable assembly, Exp. chassis "A" expansion		120.00
7. 088054-02	Cable assembly, "B" expansion		123.00
8. 088055	Cable assembly, jumper saver		48.00
9. 142047	Bracket, PCB retainer, 8 slot chassis		13.80
10. 142080	Bracket, right, exp. chassis support		21.30
MARK 6/12 POWER SUPPLY ASSEMBLY,			
425 Watt,			
PT4 P/N 082012-XX			
1. 053014	RS232 Assembly		210.00
2. 053046	Power Monitor Assembly, BBU		310.00
3. 082014	Main Power Supply Assembly		1605.00
4. 082018	A.C. Distribution Tray Assembly		390.00
5. 082028-01	Bezel Assembly, power supply		87.00
6. 088028	Cable Assembly, 12V regulator		145.00
7. 088029	Cable Assembly, 5V P.S.		205.00
8. 088030	Cable Assembly, Auxilary voltage		145.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
9. 088031	Cable Assembly, A.C. Main Power Supply		95.00
10. 088032	Cable Assembly, Control		65.00
11. 088040	Cable Assembly, A.C. Distribution		65.00
12. 088044	Cable Assembly, P.C.B. Power		130.00
13. 088045	Cable Assembly, BBU jumper plug	J6	145.00
14. 088052	Cable Assembly, mux power	TB1	125.00
15. 142041	Assembly cover, top		37.70
16. 513550	Power Supply, C.E.C.	082014	730.00
17. 519015	Power Relay, 12VDC, 10AMP	082018-K1	7.80
18. 519016	RFI filter	082018-FL1	14.40
19. 520006	Transformer, 115/230V	082018-T1	16.50
20. 530011	Fan, 34CFM, D.C.	082014	37.60
MARK 6/12 BATTERY BACK UP ASSEMBLY			
PT 4 P/N 082016-XX			
1. 053022	PCB Assembly, +5V BBU		575.00
2. 088034	Cable Assembly, BBU DC Power		63.00
3. 088035	Cable Assembly, BBU Control jumper		93.00
4. 088036	Cable Assembly, BBU Power jumper		93.00
5. 088037	Cable Assembly, BBU AC power		48.00
6. 088041	Cable Assembly, AC distribution		63.00
7. 088057	Cable Assembly, BBU input DC		48.00
8. 088058	Cable Assembly, Auxilary battery conn		48.00
9. 088063	Cable Assembly, BBU power control		72.00
10. 142083	Bracket, battery tie down		17.50
11. 163290	Line transformer	T1	114.40

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
12. 519008	Battery, 12VDC. 6.0 AH	BT1	58.50
MIGHTY MUX DMA MULTIPLEXER PT4 P/N 031003			
1. 031006	Parts required for addition of on board power (30A78M-1, 30A79M-1, 401503-8, 503001-2)		15.00
2. 201488	I.C., 1488	1N,3N,5N,7N	3.00
3. 201489	I.C., 1489	2N,4N,6N,8N	3.00
4. 201502	I.C., 1502, F.I.F.O.	14B/C	33.10
5. 201602	I.C., 1863, UART	1L-8L	10.35
6. 208T38	I.C., 8T38	3A,11E-14E	3.50
7. 209324	I.C., 9324	12C,11M-14M	3.00
8. 209334	I.C., 9334	1H,1J-4J	3.45
9. 209602	I.C., 9602	7A,3F	2.00
10. 290310	I.C., 3601-310E, Prom special character set	9H	5.25
11. 340004	Crystal, 6.75840 MHZ	10N	4.05
12. 500012	Connector, header, 50 pin		5.55
13. 507004	Switch, Rotary, 10 position	SW1	6.60
EXPANSION MULTIPLEXERS PT4 P/N 030123, 030113, 030103			
1. 201488	I.C., 1488	1L-4L	3.00
2. 201489	I.C., 1489	1M-4M	3.00
3. 201602	I.C., 1863-UART Locations depend on number of ports.		10.35
4. 209312	I.C., 9312	1E-4E,1F-4F	3.00
5. 209334	I.C., 9334	1D-4D,5L	3.45

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
6. 506040	Switch, 4 pos dip	5C	3.60
CONNECTOR CABLE ASSEMBLY (8 PORTS) PT4 P/N 032203			
1. 500075	Connector, 25 pin, DBE		5.75
2. 088081	Ribbon cable assembly, 6'		100.00
3. 724021	Screwlock, female		1.00
128 PORT RJ45 CONNECTOR PANELS AND CABLE ASSEMBLIES PT 4 P/N's 082033-01, 082034, 082035			
1. 088076	Cable Assembly, Power Jumper		78.00
2. 088077	Cable Assembly, Ribbon		78.00
3. 088079	Cable Assembly, Power supply distribution		93.00
4. 500106	Connector, 6 position, Cable, Crimp, FM 088076, 088079		1.00
5. 500236	Connector, Modular Jack, 8 position, solder		3.50
MUX POWER SUPPLIES PT4 P/N 0340XX, 0342XX			
1. 032005	Power distribution cable assembly 2 connectors		95.00
2. 511201	Power supply, 15V 1.5A 64 port		102.50
3. 511503	Power supply, 15V 3A 128 ports		169.00
4. 5115F8	Power Supply, 15V, 0.8A 32 ports + current loop		70.20
5. 512802	Power supply, 28V, 2A 32 port current loop only		86.45
6. 519001	Overvoltage protector	OVP1	19.10

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
LOTUS 710 SMD/CMD/LMD DISK CONTROLLER PT4 P/N 071003			
1. 070005-00	Cable Assembly, "A", 6'		73.00
2. 070015-00	Cable Assembly, "B", 6'		44.00
3. 271287	Prom, I.D code 19C	19C	13.75
4. 271287	Prom, Head select Please provide drive type or code per HICS .4	22C	13.75
5. 271287	Prom, I.D. code, L10KRX	10K	13.75
6. 271288	Prom, I.D. codes, L12CRX, L13CRX, L2FRX, L3FRX, L12FRX, L1GRX, L12GRX, L8HRX, L14HRX	12C,13C,2F,3F, 12F,1G,12G,8H 14H	13.00
7. 271471	Prom, I.D. codes, L2ERX, L8ERX, L9ERX, L10ERX	2E,8E,9E,10E	20.95
8. 272366	I.C., 74LS366	7C	2.00
9. 272670	I.C., 74LS670	11H,12H,15H 17H,19H	3.00
10. 271225	I.C., 74S225	15E,17E,21E,23E	9.00
11. 340005	Oscillator, 15MHZ	1B	14.70
12. 500039	Connector, 60 pin		9.40
13. 500040	Connector, 26 pin		4.35
14. 506010	Dip switch, toggle, 4-pin	SW1	5.30
LOTUS 700 DISK CONTROLLER (OBSOLETE) PT4 P/N 070003			
1. 271287	Prom, I.D. code 10K	10K	13.75
2. 271287	Prom, I.D. code 19C	19C	13.75
3. 271287	Prom, Head Select (Please provide drive type or code per HICS.4)	22C	13.75

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
4. 271288	I.C., Prom, I.D. codes 12C, 13C, 2F, 3F, 12F, 1G, 12G, 8H, 14H	12C,13C,2F,3F 12F,1G,12G,8H 14H	13.00
5. 271471	I.C., Prom, I.D. codes 2E, 8E, 9E, 10E	2E,8E,9E,10E	20.95
LOTUS 720, 1/4" STREAMER CONTROLLER, QIC-02 INTERFACE PT4 P/N 072003			
1. 026015-00	Cable assembly, streamer, 6'		27.50
2. 271287	Prom, I.D. code 212811	16C	13.75
3. 271471	Prom, I.D. code 27822CA	22C	20.95
4. 271471	Prom, I.D. code 27923CA	23C	20.95
5. 272366	I.C., 74LS366	7B	2.00
LOTUS 730 MULTIFUNCTION CONTROLLER PT4 P/N 073003			
1. 026015-00	Cable Assembly, Streamer, 6'		27.50
2. 070005-00	Cable Assembly, "A", 6'		73.00
3. 070015-00	Cable Assembly, "B", 6'		44.00
4. 203450	I.C., MC3450	8M,23M,25M	4.25
5. 203453	I.C., MC3453	24L,18M-21M	3.00
6. 210131	Prom, I.D. code 2D	2D	16.00
7. 210137	Prom, I.D. code 332-20G	20G	16.00
8. 271225	I.C., 74S225	21F,22F,25F,26F	9.00
9. 271287	Prom, I.D. code 20D, 18H	20D, 18H	13.75
10. 271288	Prom, I.D. codes 12D, 2F, 3F 10F, 11F, 1G, 6H, 19H	12D,2F,3F,10F 11F,1G,6H,19H	13.00
11. 271471	I.C., Prom, I.D. codes 24D, 25D, 7E, 8E, 9E, 8L	24D,25D,7E,8E, 9E,8L	20.95

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
12. 272366	I.C., 74LS366	1C, 3C, 17D	2.00
13. 272670	I.C., 74LS670	14H, 15H, 20K-22K, 12M	3.00
14. 340009	Oscillator, 12MHZ	2C	10.00
15. 500012	Connector, 50 pin	J4	5.55
16. 500039	Connector, 60 pin	J5	9.40
17. 500040	Connector, 26 pin	J2, J3	4.35
18. 500041	Connector, 26 pin	J1, J6	3.90
19. 50606R	Dip switch, 6 position	10L, 12L, 14L, 17L	4.20
20. 506010	Dip switch, 2 position	SW1	5.30
LOTUS CACHE MEMORY - 1MB			
PT4 P/N 080003-XX			
1. 204164	RAM, 64K dynamic 080003-02 & 03		3.30
2. 208116	RAM, 16K dynamic 080003-00 & 01		8.70
3. 208304	I.C., AM 8304	18A, 23A	4.50
4. 209324	I.C., 9324	5A, 22D, 24D	3.00
5. 212725	I.C., 27S25, Prom, I.D. codes 6A-X, 7A-X, 8A-X, 9A-X	6A, 7A, 8A, 9A	37.00
6. 290000	I.C., Prom, I.D. codes, 3C-X 4C-X	3C, 4C	19.00
7. 340006	Oscillator, 9.8304MHZ	12B	14.40
8. 50608P	Dip switch, 16 pin	24C	5.55
LOTUS CACHE MEMORY 2MB/4MB			
PT4 P/N 053016-01/02			
1. 211256	I.C., 1256, 256X1 DRAM, 120N		9.00
2. 212721	I.C., 27S21, Prom, I.D. code 91001-24D	24D	15.10

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
3. 22729A	I.C., 27S29A, Prom I.D. codes 91003-31B thru 31F	31B,31C,31D 31E,31F	26.70
4. 275632	I.C., 74ALS632, EDAC	23D,23H	215.00
5. 340012	Osc/crystal, 12.5MHZ	Y1	18.75
6. 506040	Dip switch, 4 position		3.60
OPERATOR CONTROL UNIT ASSEMBLY PT4 P/N 067003			
1. 062003	Slotted front panel assembly for Mk5/9 Chassis		75.00
2. 067103	Display board assembly		315.00
3. 067203	Interface logic board assembly		515.00
4. 167315	Cable assembly, 50 pin, lft		35.10
5. 167500	Switch panel assembly		151.70
6. 203640	I.C., 7 segment LED display	067103-U3-U8 U11-U16	5.65
7. 209368	I.C., 9368DC FSC (if replacing 208857 must add ECO# 1900	067103-U17	5.05
8. 208863	I.C., DS8863	067103-U2,U10	8.10
9. 212727	I.C., Prom, I.D. codes U1-X,U2-X U3-X, U4-X	067203 U2-U4 U1	38.90
10. 902101	Carrying case for Operator Control Unit		24.00
RACK-MOUNTED DISK/STREAMER SUBSYSTEMS PT4 P/N'S 026603-XX, 026703-XX, 026803-XX, 026903-XX, 082022-XX			
1. 026015-00	Cable Assembly, Streamer, 50 cond., 6'		27.50
2. 026413	Rear panel and fan assembly		295.00
3. 026713	Front Bezel assembly, 8" tape drive		210.00

SPARE PARTS

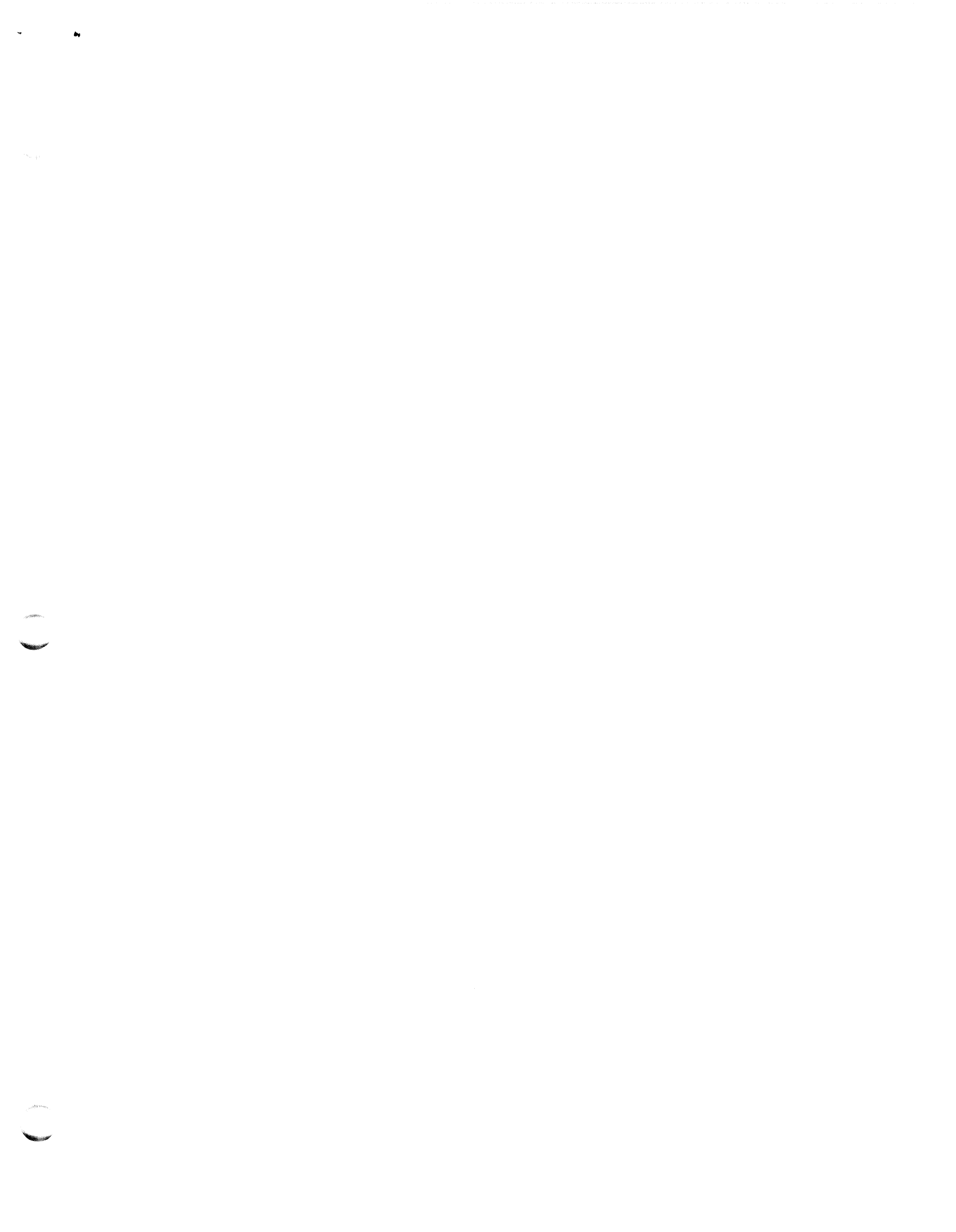
PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
4. 029505-01	Wire harness assembly, Priam drive (026603-XX, 026703-XX)		150.00
5. 029605-01	Wire harness assembly, Fujitsu w/Cherokee QM212 (026803-XX, 026903-XX)		140.00
6. 070005-01	Cable Assembly, "A" cable, 50 cond., 5'		65.25
7. 070015-01	Cable Assembly, "B" cable, 26 cond., 5'		35.90
8. 070025-00	Cable assembly, "A" cable dual drive		102.00
9. 088051	Wire harness assembly, Fujitsu w/Cherokee QX6F1 (082022-XX)		100.00
10. 126711	Front bezel assembly, 5 1/4" tape drive		108.00
11. 126730	Cover, RPS		41.00
12. 129650	Bracket, Fujitsu drive mount 2 pieces required per drive		7.00
13. 142071	Front bezel assembly, no tape drive, slotted		152.00
14. 142119	Mounting Bracket, 5 1/4" tape drives only		13.80
15. 505006	A.C. line cord, 3 wire		4.65
16. 513200	Power supply, Datapower, DP200 used in 026603-XX and 026703-XX only		510.00
17. 513560	Power supply, Cherokee, QX6F1 used in 082022-XX only (if replacing 513300, Cherokee QM212, will also require 088051 wire harness)		540.00
18. 519020	Slide rail (please specify side if only ordering one)		60.00
19. 530004	Fan, 115 CFM 110V		39.30
20. 901118	Disk drive, 8", 168MB (Fujitsu, 2322)		4330.00
21. 901121	Disk drive, 8", 337MB (Fujitsu, 2333)		6250.00
22. 901124	Disk Drive, 8", 824MB, (Fujitsu, M2372K)		10,580.00
23. 901208	Tape streamer, 5 1/4", 45MB (Archive, 5945L-2) used in 082022-XX		810.00

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
POINT 4 LO-BOY AND HI-BOY KITS			
1. 026733-00	Lo-boy kit for CH/PS/1-RPS		1400.00
2. 026733-02	Hi-boy kit for CH/PS/1-RPS		2070.00
POINT 4 LO-BOY AND HI-BOY COMPONENTS			
1. 903110	Cabinet, Lo-boy with stabilizer		893.00
2. 903111	Cabinet, Hi-boy with stabilizer		1420.00
3. 903112	Multi bay kit		225.00
4. 903110-00	Filler panel, 7", vented		126.00
5. 903110-01	Filler panel, 5 1/4"		93.00
6. 903110-03	Filler panel, 5 1/4" vented		132.00
7. 903111-00	Filler panel, 1 3/4"		78.00
8. 126721-00	"U" channel, 9.38" long (Mark 3)		29.00
9. 126721-01	"U" channel, 14.63" long (Mark 5/9)		19.60
10. 126721-02	"U" channel, 4.11" long		22.80
11. 126721-03	"U" channel, 5.87" long		42.00
12. 505016	A/C, multi-outlet strip w/filter		305.00
13. 721018	Allen wrench		.40
14. 900001	Touch-up paint kit - champagne/brown		15.00
MISCELLANEOUS			
1. A40740	10 piece PROM kit for 740 Controller, increased performance and access to increased capacity disks. See Marketing Bulletin Number 70. (Not Discountable)		80.00
2. A40745	10 piece PROM kit for 745 Controller, increased performance and access to increased capacity disks. See Marketing Bulletin Number 70. (Not Discountable)		

SPARE PARTS

PART NUMBER	DESCRIPTION/COMMENTS	LOCATION	PRICE
3. 901704	Cable set for 725 1/2" Magnetic Tape Controller		290.00
4. 902102	Carrying case for Cassette Tape Unit		95.00
5. 977001	Universal head-cleaning kit for 1/4-inch tape cartridge drives. This kit contains one cleaning cassette, ten replacement pads, one 1-oz bottle of cleaning solution, one lever arm extender and side turn key.		36.00
6. 977002	Universal head-cleaning refill kit. This kit contains additional solution and pads.		19.00
7. 977013	Tri-tail switch console assembly.		125.00





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