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10      ;*****
20          ;* BUSMASTER TIEN *
30          ;* FOR CD-23/7 *
40          ;* BY ARTHUR R HUGHES *
50          ;* 28 OCTOBER 82 *
60          ;* 523768100 *
70          ;*
80          ;* COPYRIGHT 1982 *
90          ;* DBI, INC. *
100         ;*****
110         ;
120         ;
130         ;<<<<<<<< $6000 >>>>>>>>
140 6000           * = $6000
150         ;
160 6000 4C6460   JMP MOVE7
170         ;
180         ;*****
190         ;* VARIABLES AND CONSTANTS *
200         ;*****
210         ;
220 0040=        ENTRYS = 64      # OF PATCH CODES
230 6272=        ENTRYC = ENTRYS*6+EXECPT-1
240         ;
250 6005          MOVEBC * = *+2    MOVE BYTE COUNT
260         ;
270         ;
280         ;*****
290         ;* PROG PATCH ROUTIEN *
300         ;*****
310         ;
320 6005 A241     MOVE   LDX #ENTRYS+1    SETUP # OF CODES TO MOVE
330 6007 A972     LDA #ENTRYC
340 6009 A062     LDY #ENTRYC/256
350 600B 8DDD60   MOVE8  STA MOVE1+1
360 600E 8CDE60   STA MOVEBC+1
370 6011 CA       MOVE5  DEX
380 6012 F04F     BEQ MOVE6
390 6014 20DC60   JSR MOVE1
400 6017 8D0460   STA MOVEBC+1
410 601A 20DC60   JSR MOVE1
420 601D 8D0360   STA MOVEBC
430 6020 20DC60   JSR MOVE1
440 6023 8D4560   STA MOVE2+2
450 6026 20DC60   JSR MOVE1
460 6029 8D4460   STA MOVE2+1
470 602C 20DC60   JSR MOVE1
480 602F 8D3A60   STA MOVE3+2
490 6032 20DC60   JSR MOVE1
500 6035 8D3960   STA MOVE3+1
510 6038 AD8064   MOVE3  LDA EXEC
520 603B EE3960   INC MOVE3+1
530 603E D003     BNE MOVE2
540 6040 EE3A60   INC MOVE3+2
550 6043 8D80EA   MOVE2  STA $EA80
560 6046 EE4460   INC MOVE2+1
570 6049 D003     BNE MOVE4
580 604B EE4560   INC MOVE2+2
590 604E 38       MOVE4  SEC

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600	604F	AD0360	LDA	MOVEBC	
610	6052	E901	SBC	#1	
620	6054	8D0360	STA	MOVEBC	
630	6057	AD0460	LDA	MOVEBC+1	
640	605A	E900	SBC	#0	
650	605C	8D0460	STA	MOVEBC+1	
660	605F	B0D7	BCS	MOVE3	
670	6061	90AE	BCC	MOVE5	
680	6063	60	MOVE6	RTS	
690		;			
700	6064	200560	MOVE7	JSR MOVE	OVERLAY OS
710	6067	A9D6	LDA #MOVE15	SETUP DISK COMMONS	
720	6069	8D60F3	STA PARMPS+1		
730	606C	A960	LDA #MOVE15/256		
740	606E	8D61F3	STA PARMPS+2		
750	6071	2015F8	JSR INTXMT		
760	6074	A005	LDY #5		
770	6076	B98047	MOVE14	LDA \$4780,Y	
780	6079	99D8F3	STA HPTMP,Y		
790	607C	88	DEY		
800	607D	10F7	BPL MOVE14		
810	607F	AD1347	LDA \$4713	XMIT DK PARAM	
820	6082	2038F1	JSR RWEXT6		
830	6085	A202	LDX #1+1		
840	6087	A9F8	LDA #EXECPT+5		
850	6089	A060	LDY #EXECPT+5/256		
860	608B	200B60	JSR MOVE8		
870	608E	A000	LDY #0	FIND END OF MEM	
880	6090	8484	STY \$84		
890	6092	B184	MOVE9	LDA (\$84),Y	
900	6094	49FF	EOR #\$FF		
910	6096	9184	STA (\$84),Y		
920	6098	D184	CMP (\$84),Y		
930	609A	D00B	BNE MOVE10		
940	609C	49FF	EOR #\$FF		
950	609E	9184	STA (\$84),Y		
960	60A0	C8	INY		
970	60A1	DOEF	BNE MOVE9		
980	60A3	E685	INC \$85		
990	60A5	DOEB	BNE MOVE9		
1000	60A7	A585	MOVE10	LDA \$85	
1010	60A9	C9EA		CMP #\$EA	
1020	60AB	F004		BEQ MOVE11	
1030	60AD	B006		BCS MOVE12	
1040	60AF	9008		BCC MOVE13	
1050	60B1	C080	MOVE11	CPY #\$80	
1060	60B3	9004		BCC MOVE13	
1070	60B5	A9EA	MOVE12	LDA #\$EA	
1080	60B7	A07F		LDY #\$7F	
1090	60B9	8585	MOVE13	STA \$85	
1100	60BB	8484		STY \$84	
1110	60BD	38		SEC	SETUP TOP OF MEM FOR LOAD CMD
1120	60BE	98		TYA	
1130	60BF	EDB42D		SBC \$2DB4	
1140	60C2	8DB9F6		STA LSDK2+1	
1150	60C5	A585		LDA \$85	
1160	60C7	EDB52D		SBC \$2DB5	
1170	60CA	8DB5F6		STA LSDK1+1	
1180	60CD	A905		LDA #5	SET LEVEL 5

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1190 60CF 8DBD3F      STA $3FBD
1200 60D2 A900        LDA #0
1210 60D4 A8          TAY
1220 60D5 60          RTS
1230 ; AND EXIT
1240 60D6 8047        MOVE15 .WORD $4780    DK COMMON XFR CNT BLK
1250 60D8 D8F3        .WORD HPTMP
1260 60DA 80          .BYTE $80
1270 60DB 06          .BYTE 6
1280 ;
1290 60DC ADF360      MOVE1  LDA EXECPT   GET PNT
1300 60DF 48          PHA
1310 60E0 38          SEC
1320 60E1 ADDD60      LDA MOVE1+1
1330 60E4 E901        SBC #1
1340 60E6 8DDD60      STA MOVE1+1
1350 60E9 ADDE60      LDA MOVE1+2
1360 60EC E900        SBC #0
1370 60EE 8DDE60      STA MOVE1+2
1380 60F1 68          PLA
1390 60F2 60          RTS
1400 ;
1410 ;*****
1420 ;* GLOBAL PARAMETERS *
1430 ;*****
1440 ;
1450 F153=             RWEXT1 = $F153
1460 F138=             RWEXT6 = $F138
1470 F380=             DKBASE = $F380
1480 EBB2=              NEWFLG = $EBB2
1490 EA80=              FLAGC = $EA80
1500 EACB=              FLAGX8 = $EACB
1510 EBD6=              USER = $EBD6
1520 EC48=              PEEKST = $EC48
1530 EC5D=              WAIT = $EC5D
1540 ECDB=              CMDENT = $ECDB
1550 ED6A=              FMFED1 = $ED6A
1560 ED89=              PRNTN8 = $ED89
1570 ED8C=              PRNTN3 = $ED8C
1580 ED8F=              PRNTN6 = $ED8F
1590 ED92=              PRNTN5 = $ED92
1600 EED9=              PRNTX3 = $EED9
1610 EF47=              INPUT8 = $EF47
1620 EF4A=              INPUT3 = $EF4A
1630 EF4F=              INPUT6 = $EF4F
1640 EF55=              INPUT5 = $EF55
1650 EFBE=              INPTST = $EFBE
1660 F000=              PARSE = $F000
1670 F02B=              POKEC = $F02B
1680 F0C2=              BASTP1 = $FOC2
1690 F0C6=              BASTP2 = $FOC6
1700 F0D6=              FLOPEX = $F0D6
1710 FOEB=              FSUPH = $FOEB
1720 F113=              XFFBUF = $F113
1730 F127=              RWEXIT = $F127
1740 F365=              INTUP2 = $F365
1750 6D65=              EXECT = INTUP2-$EA80+EXEC
1760 F175=              MSYSDT = $F175
1770 F16E=              MSYSTT = $F16E

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1780 F180=      HDMPT    = $F180
1790 F1AC=      HDMGT    = $F1AC
1800 F1B5=      HREAD    = $F1B5
1810 F1F0=      HREAD2   = $F1F0
1820 F1F9=      HWRITE   = $F1F9
1830 F202=      SLUNH    = $F202
1840 F253=      SBXFG    = $F253
1850 F28C=      SBDUMP   = $F28C
1860 F297=      HBUFDT   = $F297
1870 F29F=      HEXIT    = $F29F
1880 F2A5=      DMPSET   = $F2A5
1890 F2B2=      INZBRI   = $F2B2
1900 F2C3=      INZBRR   = $F2C3
1910 F2D3=      TIMEBG   = $F2D3
1920 F2D9=      FREPCH   = $F2D9
1930 F69D=      SWPFX    = $F69D
1940 F6AA=      SWPFX1   = $F6AA
1950 F6B4=      LSDK1    = $F6B4
1960 F6B8=      LSDK2    = $F6B8
1970 F80F=      ARBITC   = $F80F
1980 F815=      INTXMT   = $F815
1990 F35F=      PARMPS   = $F35F
2000 F3D8=      HPTMP    = $F3D8
2010
2020
2030
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2060 60F3 8064  EXECPT .WORD EXEC
2070 60F5 80EA  .WORD $EA80
2080 60F7 7F08  .WORD $F300-$EA80-1
2090
2100 60F9 656D  ;
2110 60FB 65F3  .WORD EXEC
2120 60FD 7200  .WORD INTUP2
2130
2140 60FF 8071  .WORD HPATCH
2150 6101 8146  .WORD $4681
2160 6103 5F00  .WORD HPTEND-HPATCH-1
2170
2180 6105 A562  ;
2190 6107 0D4A  .WORD PCH1
2200 6109 0100  .WORD $4A0D
2210
2220 610B A762  .WORD 2-1
2230 610D 8549  ;
2240 610F 0200  .WORD PCH2
2250
2260 6111 AA62  .WORD $4985
2270 6113 6819  .WORD 3-1
2280 6115 0200  ;
2290
2300 6117 AD62  .WORD PCH3
2310 6119 6B19  .WORD $1968
2320 611B 0100  .WORD 3-1
2330
2340 611D AF62  ;
2350 611F 7419  .WORD PCH4
2360 6121 0700  .WORD $196B
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2370 ;
2380 6123 B762 .WORD PCH6
2390 6125 AF09 .WORD \$09AF
2400 6127 0200 .WORD 3-1
2410 ;
2420 6129 BA62 .WORD PCH7
2430 612B 740E .WORD \$OE74
2440 612D 0200 .WORD 3-1
2450 ;
2460 612F BD62 .WORD PCH8
2470 6131 2422 .WORD \$2224
2480 6133 0100 .WORD 2-1
2490 ;
2500 6135 BF62 .WORD PCH9
2510 6137 7604 .WORD \$0476
2520 6139 0200 .WORD 3-1
2530 ;
2540 613B C262 .WORD PCH10
2550 613D 6544 .WORD \$4465
2560 613F 0700 .WORD 8-1
2570 ;
2580 6141 CA62 .WORD PCH11
2590 6143 5B4D .WORD \$4D5B
2600 6145 0200 .WORD 3-1
2610 ;
2620 6147 CD62 .WORD PCH12
2630 6149 553D .WORD \$3D55
2640 614B 0200 .WORD 3-1
2650 ;
2660 614D D062 .WORD PCH13
2670 614F 773E .WORD \$3E77
2680 6151 0200 .WORD 3-1
2690 ;
2700 6153 D362 .WORD PCH14
2710 6155 FC3D .WORD \$3DFC
2720 6157 0200 .WORD 3-1
2730 ;
2740 6159 D662 .WORD PCH15
2750 615B 393E .WORD \$3E39
2760 615D 0200 .WORD 3-1
2770 ;
2780 615F D962 .WORD PCH16
2790 6161 830E .WORD \$0E83
2800 6163 0200 .WORD 3-1
2810 ;
2820 6165 DC62 .WORD PCH17
2830 6167 9316 .WORD \$1693
2840 6169 0200 .WORD 3-1
2850 ;
2860 616B DF62 .WORD PCH18
2870 616D E007 .WORD \$07E0
2880 616F 0200 .WORD 3-1
2890 ;
2900 6171 E262 .WORD PCH19
2910 6173 B407 .WORD \$07B4
2920 6175 0200 .WORD 3-1
2930 ;
2940 6177 E562 .WORD PCH20
2950 6179 0741 .WORD \$4107

2960 617B 0200 ; .WORD 3-1
2970 ; .WORD PCH21 0000 0000
2980 617D E862 ; .WORD \$4232 0000 0000
2990 617F 3242 ; .WORD 3-1 0000 0000
3000 6181 0200 ; .WORD PCH22 0000 0000
3010 ; .WORD \$2E1D 0000 0000
3020 6183 EB62 ; .WORD 4-1 0000 0000
3030 6185 1D2E ; .WORD PCH23 0000 0000
3040 6187 0300 ; .WORD \$33F7 0000 0000
3050 ; .WORD 3-1 0000 0000
3060 6189 EF62 ; .WORD PCH24 0000 0000
3070 618B F733 ; .WORD \$02E6 0000 0000
3080 618D 0200 ; .WORD 8-1 0000 0000
3090 ; .WORD PCH25 0000 0000
3100 618F F262 ; .WORD \$4514 0000 0000
3110 6191 E602 ; .WORD 5-1 0000 0000
3120 6193 0700 ; .WORD PCH26 0000 0000
3130 ; .WORD \$401A 0000 0000
3140 6195 FA62 ; .WORD 2-1 0000 0000
3150 6197 1445 ; .WORD PCH27 0000 0000
3160 6199 0400 ; .WORD \$4156 0000 0000
3170 ; .WORD 3-1 0000 0000
3180 619B FF62 ; .WORD PCH28 0000 0000
3190 619D 1A40 ; .WORD \$2DB0 0000 0000
3200 619F 0100 ; .WORD 1-1 0000 0000
3210 ; .WORD PCH29 0000 0000
3220 61A1 0163 ; .WORD \$240E 0000 0000
3230 61A3 5641 ; .WORD 3-1 0000 0000
3240 61A5 0200 ; .WORD PCH30 0000 0000
3250 ; .WORD \$35C5 0000 0000
3260 61A7 0463 ; .WORD 3-1 0000 0000
3270 61A9 B02D ; .WORD PCH31 0000 0000
3280 61AB 0000 ; .WORD \$36CF 0000 0000
3290 ; .WORD 3-1 0000 0000
3300 61AD 0563 ; .WORD PCH32 0000 0000
3310 61AF 0E24 ; .WORD \$3655 0000 0000
3320 61B1 0200 ; .WORD 3-1 0000 0000
3330 ; .WORD PCH33 0000 0000
3340 61B3 0863 ; .WORD \$4C38 0000 0000
3350 61B5 C535 ; .WORD 3-1 0000 0000
3360 61B7 0200 ; .WORD PCH34 0000 0000
3370 ; .WORD \$4516 0000 0000
3380 61B9 0B63 ; .WORD 3-1 0000 0000
3390 61BB CF36 ; .WORD PCH35 0000 0000
3400 61BD 0200 ; .WORD 0000 0000
3410 ; .WORD PCH32 0000 0000
3420 61BF 0E63 ; .WORD \$3655 0000 0000
3430 61C1 5536 ; .WORD 3-1 0000 0000
3440 61C3 0200 ; .WORD PCH33 0000 0000
3450 ; .WORD \$4C38 0000 0000
3460 61C5 1163 ; .WORD 3-1 0000 0000
3470 61C7 384C ; .WORD PCH34 0000 0000
3480 61C9 0200 ; .WORD \$4516 0000 0000
3490 ; .WORD 3-1 0000 0000
3500 61CB 1463 ; .WORD PCH35 0000 0000
3510 61CD 1645 ; .WORD \$4516 0000 0000
3520 61CF 0200 ; .WORD 3-1 0000 0000
3530 ; .WORD PCH34 0000 0000
3540 61D1 1763 ; .WORD \$4516 0000 0000

3550 61D3 FD43 .WORD \$43FD 0000000000000000
3560 61D5 0200 .WORD 3-1 0000000000000000
3570 ;
3580 61D7 1A63 .WORD PCH36 0000000000000000
3590 61D9 5249 .WORD \$4952 0000000000000000
3600 61DB 0200 .WORD 3-1 0000000000000000
3610 ;
3620 61DD 1D63 .WORD PCH37 0000000000000000
3630 61DF AE37 .WORD \$37AE 0000000000000000
3640 61E1 0200 .WORD 3-1 0000000000000000
3650 ;
3660 61E3 2063 .WORD PCH38 0000000000000000
3670 61E5 F124 .WORD \$24F1 0000000000000000
3680 61E7 0200 .WORD 3-1 0000000000000000
3690 ;
3700 61E9 2363 .WORD PCH39 0000000000000000
3710 61EB FD24 .WORD \$24FD 0000000000000000
3720 61ED 0200 .WORD 3-1 0000000000000000
3730 ;
3740 61EF 2663 .WORD PCH40 0000000000000000
3750 61F1 CC43 .WORD \$43CC 0000000000000000
3760 61F3 0500 .WORD 6-1 0000000000000000
3770 ;
3780 61F5 2C63 .WORD PCH41 0000000000000000
3790 61F7 2E45 .WORD \$452E 0000000000000000
3800 61F9 0900 .WORD 10-1 0000000000000000
3810 ;
3820 61FB 3663 .WORD PCH42 0000000000000000
3830 61FD 3F45 .WORD \$453F 0000000000000000
3840 61FF 0600 .WORD 7-1 0000000000000000
3850 ;
3860 6201 3D63 .WORD PCH43 0000000000000000
3870 6203 7C45 .WORD \$457C 0000000000000000
3880 6205 0700 .WORD 8-1 0000000000000000
3890 ;
3900 6207 4563 .WORD PCH44 0000000000000000
3910 6209 274C .WORD \$4C27 0000000000000000
3920 620B 0100 .WORD 2-1 0000000000000000
3930 ;
3940 620D 4763 .WORD PCH45 0000000000000000
3950 620F AD4C .WORD \$4CAD 0000000000000000
3960 6211 0200 .WORD 3-1 0000000000000000
3970 ;
3980 6213 4A63 .WORD PCH46 0000000000000000
3990 6215 894C .WORD \$4C89 0000000000000000
4000 6217 0200 .WORD 3-1 0000000000000000
4010 ;
4020 6219 4D63 .WORD PCH47 0000000000000000
4030 621B 5B37 .WORD \$375B 0000000000000000
4040 621D 0700 .WORD 8-1 0000000000000000
4050 ;
4060 621F 5563 .WORD PCH48 0000000000000000
4070 6221 6130 .WORD \$3061 0000000000000000
4080 6223 0200 .WORD 3-1 0000000000000000
4090 ;
4100 6225 5863 .WORD PCH49 0000000000000000
4110 6227 964D .WORD \$4D96 0000000000000000
4120 6229 0200 .WORD 3-1 0000000000000000
4130 ;

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4140 622B 5B63 .WORD PCH50
4150 622D E03C .WORD $3CEO
4160 622F 0200 .WORD 3-1
4170 ;
4180 6231 5E63 .WORD PCH51
4190 6233 C638 .WORD $38C6
4200 6235 0100 .WORD 2-1
4210 ;
4220 6237 6063 .WORD PCH52
4230 6239 C438 .WORD $38C4
4240 623B 0100 .WORD 2-1
4250 ;
4260 623D 6263 .WORD PCH53
4270 623F 1412 .WORD $1214
4280 6241 0300 .WORD 4-1
4290 ;
4300 6243 6663 .WORD PCH54
4310 6245 B02D .WORD $2DB0
4320 6247 0000 .WORD 1-1
4330 ;
4340 6249 6763 .WORD PCH55
4350 624B 9A2D .WORD $2D9A
4360 624D 0100 .WORD 2-1
4370 ;
4380 624F 6963 .WORD PCH56
4390 6251 070B .WORD $0B07
4400 6253 0200 .WORD 3-1
4410 ;
4420 6255 6C63 .WORD PCH57
4430 6257 2245 .WORD $4522
4440 6259 0200 .WORD 3-1
4450 ;
4460 625B 6F63 .WORD PCH58
4470 625D 0A49 .WORD $490A
4480 625F 0300 .WORD 4-1
4490 ;
4500 6261 0070 .WORD $F600-$EA80+EXEC
4510 6263 00F6 .WORD $F600
4520 6265 FF00 .WORD 256-1
4530 ;
4540 6267 7363 .WORD PCH59
4550 6269 7C40 .WORD $407C
4560 626B 0200 .WORD 3-1
4570 ;
4580 626D 7663 .WORD PCH60
4590 626F 0B34 .WORD $340B
4600 6271 0300 .WORD 4-1
4610 ;
4620 6273 7A63 .WORD SPARE 8 SPARE ENTRIES
4630 62A5 * = * + 48
4640 ;
4650 ; ****
4660 ; * PATCHS *
4670 ; ****
4680 ;
4690 62A5 B2EB PCH1 .WORD NEWFLG
4700 62A7 4C80EA PCH2 JMP FLAGC
4710 62AA 20CBEA PCH3 JSR FLAGX8
4720 62AD 8A PCH4 TXA

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4730	62AE	A8		TAY					008A	008B	008C
4740	62AF	A90A	PCH5	LDA #\$0A					008D	008E	008F
4750	62B1	20392D		JSR \$2D39					008A	008B	008C
4760	62B4	4C6944		JMP \$4469					008A	008B	008C
4770	62B7	20D6EB	PCH6	JSR USER					008A	008B	008C
4780	62BA	2048EC	PCH7	JSR PEEKST					008A	008B	008C
4790	62BD	5CEC	PCH8	.WORD WAIT-1					008A	008B	008C
4800	62BF	20DBEC	PCH9	JSR CMDENT					008A	008B	008C
4810	62C2	E000	PCH10	CPX #0					008A	008B	008C
4820	62C4	38		SEC					008D	008E	008F
4830	62C5	24		.BYTE \$24					008D	008E	008F
4840	62C6	18		CLC					008A	008B	008C
4850	62C7	4C6AED		JMP FMFED1					008A	008B	008C
4860	62CA	4C89ED	PCH11	JMP PRNTN8					008A	008B	008C
4870	62CD	4C8CED	PCH12	JMP PRNTN3					008A	008B	008C
4880	62D0	4C8FED	PCH13	JMP PRNTN6					008A	008B	008C
4890	62D3	4C92ED	PCH14	JMP PRNTN5					008A	008B	008C
4900	62D6	4CD9EE	PCH15	JMP PRNTX3					008A	008B	008C
4910	62D9	4C00F0	PCH16	JMP PARSE					008A	008B	008C
4920	62DC	4C2BF0	PCH17	JMP POKEC					008A	008B	008C
4930	62DF	20C2F0	PCH18	JSR BASTP1					008A	008B	008C
4940	62E2	4CC6F0	PCH19	JMP BASTP2					008A	008B	008C
4950	62E5	20D6F0	PCH20	JSR FLOPEX					008A	008B	008C
4960	62E8	20D6F0	PCH21	JSR FLOPEX					008A	008B	008C
4970	62EB	20EBF0	PCH22	JSR FSUPH					008A	008B	008C
4980	62EE	EA		NOP					008A	008B	008C
4990	62EF	4C27F1	PCH23	JMP RWEXIT					008A	008B	008C
5000	62F2	0944	PCH24	ORA #\$44					008A	008B	008C
5010	62F4	EA		NOP					008A	008B	008C
5020	62F5	EA		NOP					008A	008B	008C
5030	62F6	EA		NOP					008A	008B	008C
5040	62F7	EA		NOP					008A	008B	008C
5050	62F8	09C0		ORA #\$C0					008A	008B	008C
5060	62FA	EA	PCH25	NOP					008A	008B	008C
5070	62FB	38		SEC					008A	008B	008C
5080	62FC	2075F1		JSR MSYSDT					008A	008B	008C
5090	62FF	EA	PCH26	NOP					008A	008B	008C
5100	6300	18		CLC					008A	008B	008C
5110	6301	4C13F1	PCH27	JMP XFFBUF					008A	008B	008C
5120	6304	00	PCH28	.BYTE 0					008A	008B	008C
5130	6305	20D6F0	PCH29	JSR FLOPEX					008A	008B	008C
5140	6308	4CB5F1	PCH30	JMP HREAD					008A	008B	008C
5150	630B	4CF9F1	PCH31	JMP HWRITE					008A	008B	008C
5160	630E	4C53F2	PCH32	JMP SBXFG					008A	008B	008C
5170	6311	4C8CF2	PCH33	JMP SBDUMP					008A	008B	008C
5180	6314	2097F2	PCH34	JSR HBUFDT					008A	008B	008C
5190	6317	4C6EF1	PCH35	JMP MSYSTT					008A	008B	008C
5200	631A	4CAA6	PCH36	JMP SWPFX1					008A	008B	008C
5210	631D	20A5F2	PCH37	JSR DMPSET					008A	008B	008C
5220	6320	20B2F2	PCH38	JSR INZBRI					008A	008B	008C
5230	6323	20C3F2	PCH39	JSR INZBRR					008A	008B	008C
5240	6326	A900	PCH40	LDA #0					008A	008B	008C
5250	6328	8502		STA \$02					008A	008B	008C
5260	632A	A94E		LDA #\$4E					008A	008B	008C
5270	632C	6900	PCH41	ADC #0					008A	008B	008C
5280	632E	85B2		STA \$B2					008A	008B	008C
5290	6330	A5A2		LDA \$A2					008A	008B	008C
5300	6332	290F		AND #\$OF					008A	008B	008C
5310	6334	694E		ADC #\$4E					008A	008B	008C

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5320 6336 A900      PCH42  LDA #0
5330 6338 E5B2      SBC $B2
5340 633A AA         TAX
5350 633B A95C      LDA #$5C
5360 633D A900      PCH43  LDA #0
5370 633F E5B2      SBC $B2
5380 6341 85A9      STA $A9
5390 6343 A95C      LDA #$5C
5400 6345 C988      PCH44  CMP #$88
5410 6347 4CD3F2    PCH45  JMP TIMEBG
5420 634A 9980F3    PCH46  STA DKBASE,Y
5430 634D EA         PCH47  NOP
5440 634E EA         NOP
5450 634F A900      LDA #0
5460 6351 A8         TAY
5470 6352 8DFE4D    STA $4DFE
5480 6355 4CF733    PCH48  JMP $33F7
5490 6358 4C47EF    PCH49  JMP INPUT8
5500 635B 4C4AEF    PCH50  JMP INPUT3
5510 635E 4EEF      PCH51  .WORD INPUT6-1
5520 6360 54EF      PCH52  .WORD INPUT5-1
5530 6362 4CD9F2    PCH53  JMP FREPCH
5540 6365 EA         NOP
5550 6366 00         PCH54  .BYTE 0
5560 6367 0000      PCH55  .WORD 0
5570 6369 20BEEF    PCH56  JSR INPTST
5580 636C 4C9FF2    PCH57  JMP HEXIT
5590 636F 4C9DF6    PCH58  JMP SWPFX
5600 6372 EA         NOP
5610 6373 4CB4F6    PCH59  JMP LSDK1
5620 6376 4C02F2    PCH60  JMP SLUNH
5630 6379 EA         NOP
5640
5650 637A=          ; SPARE = *
5660
5670 ;<<<<<<< $6480 >>>>>>>
5680 6480           * = $6480
5690
5700 7180           ; EXEC *=*+$0D00
5710
5720 ;<<<<<<< HPATCH >>>>>>>
5730
5740 ;*****
5750 ;* HARD DISK PATCHS   *
5760 ;* $4681 = HPATCH     *
5770 ;*****
5780
5790 7180 20ACF1    HPATCH JSR HDMGT
5800 7183 D018      BNE HPCH1
5810 7185 B016      BCS HPCH1
5820 7187 A2A0      LDX #$AO
5830 7189 4CF0F1    JMP HREAD2
5840 718C D00F      BNE HPCH1
5850 718E A204      LDX #4
5860 7190 B5A0      HPCH2  LDA $AO,X
5870 7192 9D80F3    STA DKBASE,X
5880 7195 CA         DEX
5890 7196 10F8      BPL HPCH2
5900 7198 200FF8    JSR ARBITC

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5910 719B A900 LDA #0 ;
5920 719D 60 RTS ;
5930 ;
5940 719E A5A2 LDA \$A2 ;
5950 71A0 4C80F1 JMP HDMPT ;
5960 71A3 29F0 AND #\$F0 ;
5970 71A5 D015 BNE HPCH3 ;
5980 71A7 A5A3 LDA \$A3 ;
5990 71A9 CD83F3 CMP DBASE+3 ;
6000 71AC D00E BNE HPCH3 ;
6010 71AE A5A4 LDA \$A4 ;
6020 71B0 CD84F3 CMP DBASE+4 ;
6030 71B3 D007 BNE HPCH3 ;
6040 71B5 A5A0 LDA \$AO ;
6050 71B7 ED80F3 SBC DBASE ;
6060 71BA F021 BEQ HPCH4 ;
6070 71BC A900 LDA #0 ;
6080 71BE 4C9F46 JMP \$469F ;
6090 71C1 EA NOP ;
6100 71C2 EA NOP ;
6110 71C3 EA NOP ;
6120 71C4 EA NOP ;
6130 71C5 18 CLC ;
6140 71C6 A204 LDX #4 ;
6150 71C8 BD80F3 HPCH6 LDA DBASE,X ;
6160 71CB 95A9 STA \$A9,X ;
6170 71CD CA DEX ;
6180 71CE 10F8 BPL HPCH6 ;
6190 71D0 A2A9 LDX #\$A9 ;
6200 71D2 20602D JSR \$2D60 ;
6210 71D5 48 PHA ;
6220 71D6 A900 LDA #0 ;
6230 71D8 8DFE4D STA \$4DFE ;
6240 71DB 68 PLA ;
6250 71DC 18 CLC ;
6260 71DD 4COFF8 HPCH4 JMP ARBITC ;
6270 ;
6280 71E0= HPTEND = * ;
6290 ;