DECUS

PROGRAM LIBRARY

DECUS NO.	8-510
TITLE	P8COR-OVERLAY FOR 8K PAL-D ASSEMBLER FOR 4K DISK MONITOR SYSTEM (DECUS NO. 8-333)
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SOURCE LANGUAGE	PAL III (ASSEMBLED WITH DECUS NO. 8-333)

P8COR-OVERLAY FOR 8K PAL-D ASSEMBLER FOR 4K DISK MONITOR SYSTEM
(DECUS NO. 8-333)

P8COR-OVERLAY FOR 8K PAL-D ASSEMBLER (DECUS NO. 8-333) PERMITS RUNNING IN 8K CORE WITHOUT DISK OR DECTAPE.

ASSEMBLES 1 INPUT TAPE VIA TTY - FIX IOLIST AT 54ØØ FOR MORE TAPES AND/OR HIGH-SPEED PAPER TAPE.

CAN BE RESTARTED AT 2ØØ AT PASS1 - CTRL/C EXITS TO 2ØØ - PRESS CONTINUE AFTER HALT.

OVERLAY INSTRUCTIONS:

USING BIN LOADER, LOAD THE 8K PAL-D ASSEMBLER (DECUS NO. 8-333) INTO CORE, BUT DO NOT EXECUTE IT. USE BIN LOADER TO LOAD THIS OVERLAY ONTO THE 8K ASSEMBLER. START THE COMPOSITE LOAD AT THE ONCE-ONLY CODE AT LOC 453Ø IN FIELD Ø. AFTER THE ONCE-ONLY CODE HAS BEEN EXECUTED, THE PROGRAM HALTS AT LOC 44Ø4. A STAND-ALONE BINARY TAPE MAY BE PUNCHED.

APPROPRIATE CORE LIMITS:

FIELD Ø:	Ø-54Ø7
FIELD 1:	6747-7577

THIS STAND-ALONE TAPE MAY BE LOADED WITH THE BIN LOADER AND THEN STARTED AT Ø2ØØ, FIELD Ø.

EXPANSION FOR TWO INPUT FILES IS ACCOMPLISHED BY PATCHING IOLIST AS FOLLOWS:

54Ø4	ØØØ1
54Ø5	ØØØØ
54Ø6	7777
54Ø7	Ø324

SIMILAR PATCHING IS POSSIBLE FOR MORE TAPES. FOR HIGH-SPEED PAPER TAPE, R: BECOMES ØØØ2, AND ANSIR IS Ø322 FOR THE LIST OPTION. OPTION L FOR THE LINE PRINTER IS NOT AVAILABLE WITH THIS OVERLAY.

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                                    *201
0201    4400                        4400                    /OVERLAYS FINDBL
                                    *3713
3713    5535                        5535                    /JMP I P200=EXIT
                                    *4400
4400    1304                        TAD KTYPO
4401    3001                        DCA I                   /DECOUT
4402    6046                        TLS
4403    4713                        JMS I CRLF I
4404    7402                        HLT
4405    1153                        TAD 153                 /(N OP
4406    3475                        DCA I 75                /MAIN
4407    1310                        TAD K5226               /(JMP PUNLVE
4410    3711                        DCA I KP1               /PUN ONE+1
4411    1312                        TAD K5400               /IOLIST
4412    3302                        DCA SWITLT
4413    3010                        DCA 10                  /ZERO REGISTERS
4414    3011                        DCA 11                  / 10 THRU 15
4415    3012                        DCA 12
4416    3013                        DCA 13
4417    3014                        DCA 14
4420    3015                        DCA 15
4421    1314                        TAD P17                 /ZERO PAGE-ZERO
4422    3016                        DCA 16                  /CONSTANTS
4423    1315                        TAD M34
4424    3307                        DCA CNT
4425    3416                        DCA I 16
4426    2307                        ISZ CNT
4427    5225                        JMP .-2
4430    1316                        TAD P146
4431    3024                        DCA 24                  /SEND
4432    1316                        TAD P146
4433    3027                        DCA 27                  /PERMA
4434    7140                        CLL CMA
4435    3052                        DCA 52                  /CHRCNT
4436    1306                        TAD KWASTE
4437    3120                        DCA 120                 /OUTPUT
4440    3121                        DCA 121                 /LISTWD
4441    1702                        TAD I SWITLT
4442    7450                        SNA
4443    5253                        JMP STDLY+1
4444    7010                        RAR
4445    7630                        SZL CLA
4446    5251                        JMP TTYO
4447    1305                        TAD KPTPO
4450    7410                        SKP
4451    1304    TTYO,               TAD KTYPO
4452    3120    STDLY,              DCA 120                 /OUTPUT
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4453   23Ø2              ISZ SWITLT
4454   17Ø2              TAD I SWITLT
4455   7Ø4Ø              CMA
4456   764Ø              SZA CLA
4457   5253              JMP .-4
446Ø   23Ø2              ISZ SWITLT
4461   17Ø2              TAD I SWITLT
4462   1317              TAD MLETRT
4463   745Ø              SNA
4464   5275              JMP TTYLST
4465   132Ø              TAD DFTMR
4466   765Ø              SNA CLA
4467   5277              JMP PUNLST
447Ø   72ØØ    STDLY1,   CLA
4471   13Ø3              TAD KA
4472   3171              DCA 171          /SWPT
4473   44Ø2              JMS I 2          /DELQY1
4474   5475              JMP I 75         /MAINEX
4475   13Ø4    TTYLST,   TAD KTYPO
4476   741Ø              SKP
4477   13Ø5    PUNLST,   TAD KPTPO
45ØØ   3121              DCA 121          /LISTWD
45Ø1   527Ø              JMP STDLY1
45Ø2   54ØØ    SWITLT,   54ØØ
45Ø3   54Ø1    KA,       54Ø1
45Ø4   26ØØ    KTYPO,    26ØØ
45Ø5   Ø6ØØ    KPTPO,    Ø6ØØ
45Ø6   4315    KWASTE,   4315
45Ø7   ØØØØ    CNT,      Ø
451Ø   5226    K5226,    5226
4511   3Ø12    KP1,      3Ø12
4512   54ØØ    K54ØØ,    54ØØ
4513   3315    CRLF I,   3315
4514   ØØ17    P17,      17
4515   7744    M34,      -34
4516   Ø146    P146,     146
4517   7454    MLETRT,   7454
452Ø   ØØØ2    DFTMR,    2
                         *453Ø
453Ø   4732              JMS I BLTX       /ONCE-ONLY CODE
4531   5535              JMP I 135        /P2ØØ=EXIT
4532   3722    BLTX,     3722             /BLTØ
                         *54ØØ            /IOLIST
54ØØ   ØØØ1              1                /*OUT-T:
54Ø1   ØØØØ              Ø                /
54Ø2   ØØØ1              1                /*IN-T: (EXPAND HERE FOR
54Ø3   ØØØØ              Ø                /MORE INPUT FILES)
54Ø4   7777              -1               /*OPT-T
54Ø5   Ø324              324              /
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SYMBOL TABLE

BLTX	4532
CNT	45Ø7
CRLF I	4513
DFTMR	452Ø
KA	45Ø3
KPTPO	45Ø5
KPI	4511
KTYPO	45Ø4
KWASTE	45Ø6
K5226	451Ø
K54ØØ	4512
MLETRT	4517
M34	4515
PUNLST	4477
P146	4516
P17	4514
STDLY	4452
STDLY1	447Ø
SWITLT	45Ø2
TTYLST	4475
TTYO	4451

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