

ADDRESS	LENGTH	BINARY CONTROL CARDS.	
0	2345	IDENT	HEL PLOC
2345		END	

ENTRY POINTS.

REQUEST	-	0	NDRSIZE	-	13	DTR:CK	-	2174	RLINK1	-	2336
TAG	-	1	FIXREC	-	15	DTR:DTY	-	2175	CELL2	-	2340
USERID	-	2	SWAPREC	-	16	DTR:NUM	-	2176	RLINK2	-	2337
EVENT	-	6	REFUND	-	17	DTR:STZ	-	2210	CELL3	-	2341
IOCOUNT	-	7	NXTFREE	-	20	DTR:DTY	-	2222	RLINK3	-	2340
PBSBUSY	-	10	FREE	-	21	DTR:TIG	-	2224	CELL4	-	2342
PFLAG	-	14	ENDFREE	-	1171	DTR:SW	-	2246	RLINK4	-	2342
DATABKS	-	4	STRBKS	-	1171	DTR:DDS	-	2256	CELL5	-	2345
ERRCODE	-	3	TR:ORIV	-	2334	DTR:RGS	-	2300	RLINK5	-	2344
SECTORS	-	5	TR:LEV1	-	2335	DTR:DDS	-	2310			
DARPTR	-	11	DTR:PTR	-	2172	DTR:DTY	-	2222			
OBSIZE	-	12	DTR:ODS	-	2173	CELL51	-	2337			

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0          MACROS      IDENT      HELPLC
          *          XTEXT
          *          ENTRY      REQUEST, TAG, USERID, EVENT, IOCOUNT, PBSBUSY, PFLAG
          *          ENTRY      DATABKS, ERRCODE, SECTORS
          *          ENTRY      DARPTR, DBSIZE, HDRSIZE, FIXREC, SWAPREC, REFUND
          *          ENTRY      NXTFREE, FREE, ENDFREE, PTRBLK
          *          ENTRY      TR, DRIV, TR, LEVL
          *
          * HELPER PROCESS LOCAL STORAGE
          *
          * MISCELLANEOUS CELLS
          *
0          REQUEST     BSSZ        1          REQUEST AS RECEIVED
1          TAG         BSSZ        1          REQUEST IDENTIFICATION TAG
2          USERID     BSSZ        1          INDEX OF REQUESTING PROCESS
3          ERRCODE    BSSZ        1          AUDIT ERROR CODE
4          DATABKS    BSSZ        1          DATA BLOCKS IN AUDITED FILE
5          SECTORS    BSSZ        1          SECTORS IN AUDITED FILE
6          EVENT      BSSZ        1          EVENT TO SEND TO REQUESTOR
          *
7          IOCOUNT   BSSZ        1          COUNT OF I/O REQUESTS IN PROGRESS
10         PBSBUSY    BSSZ        1          FLAG INDICATING BUSY POINTERS FOUND
          *
11         DARPTR     BSSZ        1          ADDRESS OF OWNING DAR
          *
12         DBSIZE     BSSZ        1          NUMBER OF SECTORS PER DATA BLOCK
13         HDRSIZE    BSSZ        1          NUMBER OF SECTORS IN HEADER
          *
14         PFLAG      BSSZ        1          TYPE-OF-CLOSE FLAG
          *
15         FIXREC     BSSZ        1          NUMBER OF FIXED SECTORS RECLAIMED
16         SWAPREC    BSSZ        1          NUMBER OF SWAPPED SECTORS RECLAIMED
          *
17         REFUND     BSSZ        1          NUMBER OF SECTORS TO REFUND TO OWNER
          *
          * LIST OF DISK BLOCKS TO BE FREED UPON COMPLETION
          *
20         NXTFREE    BSSZ        1
21         FREE       BSS        1000
1771      ENDFREE     BSSZ        0          END OF FREE LIST
          *
          * WORK AREA FOR POINTER BLOCK PACKING ROUTINE
          *
1771      PTRBLK     BSSZ        129          POINTER BLOCK BUFFER
          *
          *          ENTRY      PTR, PTR, PTR, DDS, PTR, CM, PTR, DTY, PTR, NUM
          *
          *          ENTRY      BLK, SIZ, BLK, DTY, BLK, FLG
          *
          *          ENTRY      SW, SW, SW, DDS
          *

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ENTRY	PG.	PG.	PG.	DDS.	PG.	DTY	
* TRAVERSER STACKS AND WORKING CELLS							
* PTR WORK AREA							
2172	PTR.PTR	BSSZ	1				COPY OF PTR
2173	PTR.DDS	BSSZ	1				DDS ADDR OF PTR
2174	PTR.CM	BSSZ	1				CM ADDR OF PTR
2175	PTR.DTY	BSSZ	1				BTR DIRTY FLAG
2176	PTR.NUM	BSSZ	10				BTR NUMBER
* BLOCK STACKS							
2210	BLK.SIZ	BSSZ	10				SIZE OF BLOCK (SHAPE NUMBER)
2222	BLK.DTY	BSSZ	10				BLOCK DIRTY FLAG
2234	BLK.FLA	BSSZ	10				BLOCK FLAG WORD
* PAGE SWITCH STACKS							
2246	SW.SW	BSSZ	16				COPY OF PAGE SWITCH
2266	SW.DDS	BSSZ	10				DDS ADDRESS OF PAGE SWITCH
* POINTER PAGE SWITCH							
2300	PG.PG	BSSZ	8				COPY OF PAGE
2310	PG.DDS	BSSZ	10				DDS ADDRESS OF PAGE
2322	PG.DTY	BSSZ	10				PAGE DIRTY FLAG
* TRAVERSER SCRATCH STORAGE							
2334	TR.DRIV	BSSZ	1				DRIVE SWITCH ADDRESS
2335	TR.LEVL	BSSZ	1				LEVEL NUMBER
* SCRATCH AREA FOR SUBROUTINE PACKAGE							
2336	LEVEL		1,0				
2337	LEVEL		2,0				
2340	LEVEL		3,1				
2342	LEVEL		4,1				
2344	LEVEL		5,0				
2345	END						

37311

STORAGE USED
6600 ASSEMBLY113 STATEMENTS
2.950 SECONDS45 SYMBOLS
80 REFERENCES

HELPER SUBPROCESS LOCAL STORAGE
SYMBOLIC REFERENCE TABLE.

BLK.DTY	2222	PROGRAM*	2/50	E	3/19	L
BLK.FLG	2234	PROGRAM*	2/50	E	3/20	L
BLK.SIZ	2210	PROGRAM*	2/50	E	3/18	L
CELLS1	2337	PROGRAM*	3/43	L		
CELLS2	2340	PROGRAM*	3/44	L		
CELLS3	2341	PROGRAM*	3/45	L		
CELLS4	2343	PROGRAM*	3/46	L		
CELLS5	2345	PROGRAM*	3/47	L		
DARPTR	11	PROGRAM*	2/06	E	2/25	L
DATARKS	4	PROGRAM*	2/05	E	2/18	L
DBSIZE	12	PROGRAM*	2/06	E	2/27	L
ENDFREE	1771	PROGRAM*	2/07	E	2/41	L
ERRCODE	3	PROGRAM*	2/05	E	2/17	L
EVENT	6	PROGRAM*	2/04	E	2/20	L
FIXREC	15	PROGRAM*	2/06	E	2/32	L
FREE	21	PROGRAM*	2/07	E	2/40	L
HORSIZE	13	PROGRAM*	2/06	E	2/28	L
IOCOUNT	7	PROGRAM*	2/04	E	2/22	L
NXTFREE	20	PROGRAM*	2/07	E	2/39	L
PBSBUSY	10	PROGRAM*	2/04	E	2/23	L
PFLAG	14	PROGRAM*	2/04	E	2/30	L
PG.DDS	2310	PROGRAM*	3/01	E	3/30	L
PG.DTY	2322	PROGRAM*	3/01	E	3/31	L
PG.PG	2300	PROGRAM*	3/01	E	3/29	L
PTRBLK	1771	PROGRAM*	2/07	E	2/45	L
PTR.CM	2174	PROGRAM*	2/48	E	3/12	L
PTR.DDS	2173	PROGRAM*	2/48	E	3/11	L
PTR.DTY	2175	PROGRAM*	2/48	E	3/13	L
PTR.NUM	2176	PROGRAM*	2/48	E	3/14	L
PTR.PTR	2172	PROGRAM*	2/48	E	3/10	L
REFUND	17	PROGRAM*	2/06	E	2/35	L
REQUEST	0	PROGRAM*	2/04	E	2/14	L
RLINK1	2336	PROGRAM*	3/42	L		
RLINK2	2337	PROGRAM*	3/43	L		
RLINK3	2340	PROGRAM*	3/44	L		
RLINK4	2342	PROGRAM*	3/45	L		
RLINK5	2344	PROGRAM*	3/46	L		
SECTORS	5	PROGRAM*	2/05	E	2/19	L
SWAPREC	16	PROGRAM*	2/06	E	2/32	L
SW.DDS	2265	PROGRAM*	2/32	E	3/25	L
SW.SW	2246	PROGRAM*	2/32	E	3/24	L
TAG	1	PROGRAM*	2/04	E	2/15	L
TR.DRIV	2334	PROGRAM*	2/08	E	3/35	L
TR.LEVL	2335	PROGRAM*	2/08	E	3/36	L
USERID	2	PROGRAM*	2/04	E	2/16	L