

00010

XLIST

01970

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00030
00040 EXTERNAL APRCHN,ERROR,IOINI
00050 EXTERNAL DDT,NULJOB,SYMAK,ONCE,YSBEG,YSBG1,SYSEND
00060 EXTERNAL CORTAB,CORLST,CORTAL,CORBLK,SYSSIZ,LINKSR
00070
00080 ;SYSTEM INITIALIZATION DISPATCHTABLE, STARTING AT LOC. 140
00090 ;THIS SUBROUTINE MUST BY LOADED FIRST
00100 ;ROUTINE ONCE IS ONCE ONLY CODE. IT CONVERTS THE DATE
00110 ;AND SETS UP IO SERVICE CHAIN.
00120
00130
00140
00150 INTERNAL SYSDSP
00160
000000 254000 000010' 00170 SYSDSP: JRST SYSINI ;INITIALIZE SYSTEM VARIABLES ONCE ONLY
000001 254000 000000 00180 JRST DDT ;EXEC DD
000002 254000 000000 00190 JRST SYMAK ;MAKE NEW SYSTEM
000003 254000 000010' 00200 JRST SYSINI ;INITIALIZE SYSTEM VARIABLES ALWAYS
000004 254500 000000 00210 JEN NULJOB ;ERROR RECOVERY
000005 254000 000007' 00220 JRST SYSONE ;DO ONCE ONLY CODE OVER AGAIN
000006 254000 000012' 00230 JRST JSR2 ;BYPASS ONCE ONLY OPERATOR DIALOGUE
00240 ;(IN CASE CONSOLE TTY DOWN)
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			00250	
			00260	; INITIALIZE SYSTEM DATA STORAGE
			00270	
			00280	INTERNAL SYSINI
			00290	NXM=10000 ;NON EX MEM FLAG
			00300	
000007	264000	000000	00310	SYSONE: JSR ONCE ;ONCE ONLY CODE
000010	700200	200000	00320	SYSINI: CONO APR,200000 ;IO RESET
000011	264000	000007'	00330	JSR1: JSR ONCE ;DO ONCE ONLY CODE ONCE
000012	264000	000000	00340	JSR2: JSR LINKSR ;LINK IO SERVICE ROUTINES
000013	204040	000014'	00350	MOVS TAC,+.1
000014	403100	000000	00360	SETZB TAC1,SYSBEG
000015	206040	000011'	00370	MOVSM TAC,JSR1
000016	206040	000012'	00380	MOVSM TAC,JSR2
000017	541040	000000	00390	HRR1 TAC,SYSBG1 ;CLEAR SYSTEM DATA STORAGE
000020	251040	000000	00400	BLT TAC,SYSEND
000021	205040	430000	00410	MOVSI TAC, DVDIRIN+TTYATC+TTYUSE
000022	541040	600000	00420	HRR1 TAC,ASSCON+ASSPRG
000023	554300	000000	00430	HLRZ DEVDAT,DEVLST ;SCAN ALL DEVICES
000024	412046	000004	00440	SYS1: ANDCAM TAC, DEVMOD(DEVDAT) ;CLEAR DIRECTORY IN CORE BIT,
			00450	;ASSIGNED BY CONSOLE & PROGRAM
000025	402006	000005	00460	SETZM DEVLOG(DEVDAT) ;CLEAR LOGICAL NAME
000026	554306	000003	00470	HLRZ DEVDAT, DEVSER(DEVDAT)
000027	326300	000024'	00480	JUMPN DEVDAT, SYS1
000030	200440	000105'	00490	MOVE JDAT,COREP ;SET UP CORE USE BIT TABLE
000031	202440	000000	00500	MOVEM JDAT,CORLST
000032	201040	000000	00510	MOVEI TAC,CORBLK ;NO. OF 1K BLOCKS IN TABLE
000033	700200	010000	00520	SYS2: CONO APR,NXM ;CLEAR NON EX MEM
000034	133000	000011	00530	IBP JDAT ;MOVE BYTE POINTER
000035	510242	000000	00540	HLLZ DAT,(TAC1) ;REFERENCE MEMORY, CLEAR RT. OF DAT
000036	313100	000000	00550	CAMLE TAC1,SYSSIZ ;HIGHEST LOC IN EXEC.
000037	700300	010000	00560	CONSZ APR,NXM ;CAN MEMORY BE USED FOR USER PROG?
000040	344240	000043'	00570	AOJA DAT,SYS3 ;NO. MARK AS INACCESSIBLE (1 BIT)
000041	350000	000000	00580	AOS CORTAL
000042	202440	000031'	00590	MOVEM JDAT,CORLST ;AND SET LAST FREE BLOCK POINTER
000043	137240	000011	00600	SYS3: DPB DAT,JDAT ;STORE 0 OR 1 BIT IN TABLE
000044	271100	002000	00610	ADDI TAC1,2000 ;INCREMENT MEMORY REF
000045	367040	000033'	00620	SOJG TAC,SYS2
000046	133000	000042'	00630	IBP CORLST ;SET TO FIRST UNAVAILABLE BLOCK
000047	541040	000051'	00640	HRR1 1,IOGO
000050	542040	000000'	00650	HRRM 1,SYSDSP ;FALINTO IOGO

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00660
00670
00680
00690
00700 ;INITIALIZE ALL IODEVICES
00710
00720     INTERNAL IOGO
00730     EXTERNAL DEVLST, MJOBN, JBTADR, JBTSTS, IOINI
00740 EXTERNAL DCREQ, MTREQ, DTREQ
00750
00760
000051 201040 000000 00770 IOGO:     MOVEI TAC, APRCHN
000052 700201 633440 00780     CONO APR, 633440(TAC)
000053 554040 000023' 00790     HLRZ TAC, DEVLST ;CHAIN OF DEVICE DATA BLOKS
000054 201100 200000 00800 IOG0:     MOVEI TAC1, ASSPRG ;CLEAR ASSIGNED BY PROGRAM BIT
000055 413101 000004 00810     ANDCAB TAC1, DEVMOD(TAC)
000056 525200 000720 00820     HRLOI ITEM, IORET+7*PICHN ;CLEAR JOB NO., USER CHANNEL
000057 602100 400000 00830     TRNE TAC1, ASSCON
000060 661200 777000 00840     TLO ITEM, 777000
000061 406201 000001 00850     ANDM ITEM, DEVCHR(TAC) ;BUT NOT IORET BIT OR PII CHA
000062 402001 000002 00860     SETZM DEVIOS(TAC) ;CLEAR IO STATUS WORD
000063 402001 000006 00870     SETZM DEVBUF(TAC) ;CLEAR BUFFER ADDRESSES
000064 554041 000003 00880     HLRZ TAC, DEVSER(TAC)
000065 326040 000054' 00890     JUMPN TAC, IOG0
000066 476000 000000 00900     SETOM DCREQ ;CLEAR DEVICE REQUEST COUNTS
000067 476000 000000 00910     SETOM MTREQ
000070 476000 000000 00920     SETOM DTREQ
000071 201140 000100' 00930     MOVEI PDP, IOPDL-1
000072 260140 000000 00940     PUSHJ PDP, IOINI ;INITIALIZE IO DEVICES
000073 205240 000000 00950     MOVSI DAT, MJORN ;JOB NUMBER ASSIGNED BIT
000074 200040 000106' 00960     MOVE TAC, [XWD JERR, 1] ;SET ERROR BIT, CLEAR ALL OTH
000075 202045 000000 00970 IOG1:     MOVEM TAC, JBTSTS(DAT)
000076 253240 000075' 00980     AOBJN DAT, IOG1
000077 700600 012377 00990     CONO PI, 12377
000100 254000 000004' 01000     JRST NULJOB ;START THE NULL JOB
01010 IOPDL:   BLOCK 4
01020 COREP:  POINT 1, CORTAB ;1 BIT BYTE POINTER TO CORE USE TABLE
01030
01040
000106 002000 000001 01050     END SYSINI

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THERE ARE NO ERRORS

PROGRAM BREAK IS 000107

SYSINI - SYSTEM INITIALIZATION  
 SYMBOL TABLE

A	000000	INT
AC1	000015	INT
AC2	000016	INT
AC3	000017	INT
AL	000001	INT
APRCHN	000051'	EXT
ASSCON	400000	INT
ASSPRG	200000	INT
B	000014	INT
BUFPNT	000012	INT
BUFWRD	000013	INT
CLOSE	002000	INT
CLSIN	000002	INT
CLSOUT	000001	INT
CORBLK	000032'	EXT
COREP	000105'	
CORLST	000046'	EXT
CORTAB	000105'	EXT
CORTAL	000041'	EXT
D	000017	INT
DAT	000005	INT
DCL	000001	INT
DCREQ	000066'	EXT
DCW	020000	INT
DDI	000007	INT
DDO	000006	INT
DDT	000001'	EXT
DDTMEM	000037	INT
DDTSYM	000036	INT
DEN	000004	INT
DEVADR	000007	INT
DEVBUF	000006	INT
DEVCHR	000001	INT
DEVCTR	000011	INT
DEVDAT	000006	INT
DEVIAD	000007	INT
DEVIOS	000002	INT
DEVLOG	000005	INT
DEVLST	000053'	EXT
DEVMOD	000004	INT
DEVNAM	000000	INT
DEVOAD	000010	INT
DEVPTR	000010	INT
DEVSER	000003	INT
DGF	000012	INT
DIN	000003	INT
DLK	000005	INT
DOU	000002	INT
DR	000016	INT
DRL	000000	INT
DSI	000011	INT
DSO	000010	INT
DTREQ	000070'	EXT
DTW	040000	INT
DVAVAL	000040	INT

SYSINI - SYSTEM INITIALIZATION  
 SYMBOL TABLE

DVCDR	100000	INT
DVDIR	000004	INT
DVDIRI	400000	INT
DVIN	000002	INT
DVLPT	040000	INT
DVMTA	000020	INT
DVOUT	000001	INT
DVTTY	000010	INT
ENTRR	020000	INT
ERROR	000000	EXT
I	000010	INT
IB	000013	INT
IBUFB	200000	INT
INITB	400000	INT
INPB	010000	INT
IO	000020	INT
IOACT	010000	INT
IOREG	000002	INT
IORKTL	040000	INT
IOCON	000040	INT
IODEND	020000	INT
IODERR	200000	INT
IODISC	400000	INT
IODONE	400000	INT
IODTER	100000	INT
IOEND	000040	INT
IOFST	000004	INT
IOG0	000054'	
IOG1	000075'	
IOG0	000051'	INT
IOIMPM	400000	INT
IOINI	000072'	EXT
IONRCK	000100	INT
IOPDL	000101'	
IORDEL	000100	INT
IORET	000020	INT
IOS	000000	INT
IOSTRT	000010	INT
IOUSE	400000	INT
IOW	000001	INT
IOWC	000020	INT
IOWS	400000	INT
ITFM	000004	INT
JBFADR	000000	INT
JBFCTR	000002	INT
JBFPTR	000001	INT
JBTADR	000000	EXT
JBTSTS	000075'	EXT
JBUF	000005	INT
JDAT	000011	INT
JERR	002000	INT
JIOW	100000	INT
JNA	004000	INT
JSR1	000011'	
JSR2	000012'	

SYSINI - SYSTEM INITIALIZATION  
SYMBOL TABLE

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LINKSR	000012'	EXT
LOOKR	040000	INT
MJOBN	000073'	EXT
MTREQ	000067'	EXT
MTW	010000	INT
NULJOB	000100'	EXT
NXM	010000	
OBUFR	100000	INT
ONCE	000011'	EXT
OUTPR	004000	INT
PDP	000003	INT
PICHN	000100	INT
PROG	000007	INT
RUN	200000	INT
RUNABL	204000	INT
SYS1	000024'	
SYS2	000033'	
SYS3	000043'	
SYSBEG	000014'	EXT
SYSBG1	000017'	EXT
SYSDSP	000000'	INT
SYSEND	000020'	EXT
SYSINI	000010'	INT
SYSMAK	000002'	EXT
SYSONE	000007'	
SYSSIZ	000036'	EXT
TAC	000001	INT
TAC1	000002	INT
TEM	000010	INT
TTYATC	020000	INT
TTYUSE	010000	INT
USRMOD	010000	INT
UUO	000014	INT

END OF ASSEMBLY