

00010

XLIST

01970

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00030
00040 ;CALLED FROM COMMAND DECODER WHICH IS CALLED FROM CLOCK ROUTINE
00050 ;WITH FOLLOWING ACS SET:
00060 ;TAC= BYTE POINTER TO COMMAND STRING(SPACE OR CR AFTER COMMAND NAME)
00070 ;ITEM = JOB NUMBER
00080 ;DAT = BYTE POINTER TO LAST OUTPUT CHARACTER
00090 ;DEV DAT= ADDRESS OF DEVICE DATA BLOCK INITIATING COMMAND
00100 ;JDAT = ADDRESS OF JOB DATA AREA, = 0 IF NO JOB AREA
00110
00120 ;UPON RETURN FROM COMMAND SETUP ROUTINE, A CR-LF IS ADDED IF
00130 ;NEEDED AND TTY IS STARTED
00140
00150 ;SINCE THE COMMAND DECODER IS CALLED FROM THE CLOCK ROUTINE
00160 ;COMMAND SETUP ROUTINES MUST RUN TO COMPLETION QUICKLY
00170 ;IF A COMMAND FUNCTION CANNOT DO THIS, IT MUST JUST SET
00180 ;THE JOB TO A RUNABLE STATUS AND RETURN I MEDIATELY
00190
00200
00210 ; "IJOB" - INITIALIZE JOB
00220 INTERNAL IJOB
00230 EXTERNAL RADX10,JOBINI,JOBKIL,CRLF,MONJOB
00240
000000 254000 000000 00250 IJOB: JRST JOBINI
00260
00270 ;PRINT JOB NUMBER
00280
00290 INTERNAL PJOB
00300 PJOB: MOVE TAC, ITEM
00310 PUSHJ PDP,RADX10
00320 JRST CRLF
00330
00340 ;KILL JOB(MUST HAVE CORE ASSIGNED)
00350
00360 INTERNAL KJOB
000004 254000 000000 00370 KJOB: JRST JOBKIL

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T. HASTINGS 8-2-65

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00380
00390 ; "START L" OR "START" - START AT LOC. L OR STARTING ADDRESS
00400 INTERNAL START
00410 EXTERNAL OCTIN,JOBSA,START1,COMERA,STARTU,CPOPJ,CPOPJ1,STARTM
00420
000005 260140 000013' 00430 START: PUSHJ PDP,STRT
000006 254000 000000 00440 JRST COMERA ;ERROR
000007 254000 000000 00450 JRST STARTU ;GO SET JOB TO START(CONSOLE IN USER MO
00460
; "STARTC L" OR "STARTC" - START AT LOC. L(TTY IN COMMAND MODE)
00470
00480
00490 INTERNAL STARTC
00500 EXTERNAL STARTM
00510
000010 260140 000013' 00520 STARTC: PUSHJ PDP,STRT
000011 254000 000006' 00530 JRST COMERA ;ERROR
000012 254000 000000 00540 JRST STARTM ;FO SET JOB TO START(TTY IN COM. MODE)
00550
;ROUTINE TO SCAN ARGUMENT
00560
00570
000013 260140 000000 00580 STRT: PUSHJ PDP,OCTIN ;CONVERT OCTAL NO.
000014 254000 000016' 00590 JRST ST2 ;EITHER NO NUMBER OR ERROR
000015 254000 000020' 00600 JRST ST3 ;START JOB C(TAC1)
00610
000016 326100 000000 00620 ST2: JUMPN TAC1, CPOPJ ;NOT A NUMBER IF NON-ZERO
000017 550111 000000 00630 HRRZ TAC1, JOBSA(JDAT) ;NO, START AT STARTING ADDRES
000020 505100 010000 00640 ST3: HRLI TAC1, 10000 ;USER MODE FLAG
000021 254000 000000 00650 JRST CPOPJ1 ;OK RETURN

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		00660	
		00670	; "CONT" - CONTINUE EXECUTION FROM WHERE LEFT OFF
		00680	INTERNAL CONT
		00690	EXTERNAL CONTU,CONMES,JBTSTS
		00700	
000022	205100 002000	00710	CONT: MOVSI TAC1, JERR
000023	616104 000000	00720	TDNN TAC1, JBTSTS(ITEM) ;IS JOB ERROR BIT SET?
000024	254000 000000	00730	JRST CONTU ;NO, GO SET JOB TO CONTINUE
000025	265040 000000	00740	CONTA: JSP TAC,CONMES ;YES, PRINT CANT CONTINUE
		00750	
000026	416031 623650	00760	ASCIZ /CAN'T CONTINUE
000027	202071 747250		
000030	446352 542432		
000031	050000 000000	00770	/
		00780	
		00790	; "CONTC" - CONTINUE EXECUTION(TTY REMAINS IN COMMAND MODE)
		00800	
		00810	INTERNAL CONTC
		00820	EXTERNAL CONTM
		00830	
000032	205100 002000	00840	CONTC: MOVSI TAC1, JERR
000033	616104 000023'	00850	TDNN TAC1, JBTSTS(ITEM) ;IS JOB ERROR BIT SET?
000034	254000 000000	00860	JRST CONTM ;NO
000035	254000 000025'	00870	JRST CONTA ;YES
		00880	
		00890	; "DDT" - START EXECUTION AT DDT IN USER AREA
		00900	INTERNAL DDTGO
		00910	EXTERNAL JOBDDT,STARTU
		00920	
000036	550111 000000	00930	DDTGO: HRRZ TAC1, JOBDDT(JDAT) ;GET DDT STARTING ADDRESS
000037	326100 000043'	00940	JUMPN TAC1,DDT1 ;GO START JOB IF NON-ZERO
000040	265040 000025'	00950	JSP TAC,CONMES ;ZERO, PRINT"NO DDT"
		00960	
000041	472364 042210	00970	ASCII /NO DDT
000042	520321 200000	00980	/
		00990	
000043	505100 010000	01000	DDT1: HRLI TAC1,USRMOD ;USER MODE BIT
000044	254000 000007'	01010	JRST STARTU ;GO SET TO RUN JOB
		01020	;DIGITAL MAYNARD
		01030	
		01040	INTERNAL DIGITAL
		01050	
000045	265040 000040'	01060	DIGITAL: JSP TAC,CONMES
000046	442131 446236	01070	ASCIZ /HELLO
000047	064240 000000	01080	/

		01090	
		01100	
		01110	
		01120	
		01130	; "CORE #" - ASSIGNS #*1024 WORDS OF CORE TO JOB
		01140	; "CORE" WITH NO ARGUMENT IS EQUIVALENT TO "CORE 0"
		01150	
		01160	INTERNAL CORE
		01170	EXTERNAL CORE1,DECIN,ANYRIN,CONMES,COMERA,NOTENF
		01180	EXTERNAL JOBPFI,JBTADR,CPOPJ,JOBPRT,JOBPR1,JOBZER
		01190	EXTERNAL RADX10
		01200	
000050	260140	000000	01210 CORE: PUSHJ PDP, DECIN ;GET NO. OF 1K BLOCKS
000051	254000	000077'	01220 JRST COR3 ;ERROR
000052	336040	000002	01230 SKIPN TAC,TAC1 ;IS ZERO BEING ASKED FOR?
000053	326440	000000	01240 JUMPN JDAT,JOBZER ;YES, RELEASE ALL DEVICES IF THERE WAS
000054	260140	000000	01250 PUSHJ PDP,CORE1
000055	254000	000065'	01260 JRST COR2 ;CORE NOT AVAILABLE (AC TAC = BLO CKS L
000056	550444	000000	01270 HRRZ JDAT, JBTADR(ITEM) ;CORE GRANTED, CLEAR PART OF
000057	322440	000016'	01280 JUMPE JDAT, CPOPJ ;UNLESS ALL CORE WAS RETURNED
000060	402011	000000	01290 SETZM JOBPRT(JDAT) ;CLEAR PART PROTECTED FROM IO
000061	505051	000060'	01300 HRLI TAC,JOBPRT(JDAT)
000062	541051	000000	01310 HRRI TAC, JOBPR1(JDAT)
000063	251051	000000	01320 BLT TAC, JOBPFI(JDAT)
000064	263140	000000	01330 POPJ PDP,
		01340	
000065	260140	000002'	01350 COR2: PUSHJ PDP,RADX10 ;PRINT NO. OF FREE 1K BLOCKS LEFT
000066	265040	000045'	01360 JSP TAC,CONMES
		01370	
000067	202152	242612	01380 ASCIZ / FREE 1K BLOCKS LEFT, NONE ASSIGNED
000070	201431	320204	
000071	462370	345646	
000072	202310	543250	
000073	261011	647634	
000074	425010	151646	
000075	446171	642610	
000076	064240	000000	01390 /
000077	326100	000011'	01400 COR3: JUMPN TAC1, COMERA ;NOT A NO. IF NON-ZERO, APPEND "?"
000100	254000	000000	01410 JRST NOTENF ;NOT ENOUGH ARGUMENT

		01420	
		01430	
		01440	; "SAVE FILE-NAME" - SAVES JOB AREA ON RETRIEVABLE DEVICE
		01450	; ONLY A SAVE OR A GET IN PROGRESS FOR EACH JOB
		01460	; NO ATTEMPT IS MADE TO SAVE DEVICE ASSIGNMENTS, ACS, OR PC
		01470	INTERNAL SAVE
		01480	EXTERNAL SAVJOB, START1, SGSET
		01490	
000101	201100 000000	01500	SAVE: MOVEI TAC1, SAVJOB ; SETUP TO RUN SAVJOB
000102	254000 000000	01510	JRST SGSET
		01520	
		01530	
		01540	; "GET DEVICE:FILE-NAME" - SETS UP JOB AREA FROM RETRIEVABLE DEVICE
		01550	INTERNAL GET
		01560	EXTERNAL GETJOB
		01570	
000103	201100 000000	01580	GET: MOVEI TAC1, GETJOB ; SETUP TO RUN GET JOB
000104	254000 000102'	01590	JRST SGSET

		01600	
		01610	; "ASSIGN DEV:NAME" - ASSIGNS DEV TO JOB AND GIVES IT LOGICAL NAME NAM
		01620	
		01630	; TEMPORARY ACS
		01640	T1=BUFPNT
		01650	T=BUFWRD
		01660	
		01670	INTERNAL ASSIGN
		01680	EXTERNAL CTEXT1, NOTENF, DEVLST, ASSASG, CONMES, PJOBN, ANYRDX, ERNAM
		01690	EXTERNAL CRLF, DEVLG, SYSTAP
		01700	
000105	260140 000000	01710	ASSIGN: PUSHJ PDP, CTEXT1 ;GET FIRST ARGUMENT
000106	322100 000100'	01720	JUMPE TAC1, NOTENF ;NO ARGUMENT TYPED IF 0
000107	200500 000002	01730	MOVE T1, TAC1 ;SAVE DEVICE NAME
000110	261140 000001	01740	PUSH PDP, TAC ;SAVE INPUT BYTE POINTER
000111	201100 400000	01750	MOVEI TAC1, ASSCON ;SETUP ASSIGNED BY CONSOLE BIT
000112	554300 000000	01760	ASSN: HLRZ DEVDAT, DEVLST
000113	312506 000000	01770	ASSG0: CAME T1,DEVNAM(DEVDAT) ;DOES PHYSICAL NAME MATCH?
000114	254000 000120'	01780	JRST ASSG1 ;NO
000115	260140 000000	01790	PUSHJ PDP, ASSASG ;YES, TRY TO ASSIGN DEVICE
000116	254000 000135'	01800	JRST ASSER1 ;ALREADY ASSIGNED TO ANOTHER JOB
000117	254000 000151'	01810	JRST ASSFIN ;ASSIGNED
		01820	
000120	200046 000000	01830	ASSG1: MOVE TAC,DEVNAM(DEVDAT) ;IS THIS THE SYSTEM TAPE?
000121	316040 000000	01840	CAMN TAC,SYSTAP
000122	254000 000131'	01850	JRST ASSG2 ;YES
000123	135540 000000	01860	LDB T, PJOBN ;SAVE OLD JOB NUMBER FOR THIS
000124	620040 777777	01870	TRZ TAC,-1 ;COMAPRE LEFT HALF ONLY
000125	316040 000012	01880	CAMN TAC, T1
000126	260140 000115'	01890	PUSHJ PDP, ASSASG ;MATCH, TRY TO ASSIGN IT
000127	254000 000131'	01900	JRST ASSG2 ;KEEP LOOKING
000130	322540 000151'	01910	JUMPE T,ASSFIN ;IF OLD JOB NUMBER 0, DEVICE PREVIOUSLY
		01920	
000131	554306 000003	01930	ASSG2: HLRZ DEVDAT, DEVSER(DEVDAT)
000132	326300 000113'	01940	JUMPN DEVDAT, ASSG0
000133	262140 000001	01950	POP PDP, TAC
000134	254000 000211'	01960	JRST NOTDEV ;PRINT NO SUCH DEVICE

			01970	
			01980	;ALREADY ASSIGNED TO ANOTHER JOB
			01990	
000135	262140	000001	02000	ASSER1: POP PDP, TAC
000136	201040	000144'	02010	MOVEI TAC, ASSMS2
000137	260140	000066'	02020	PUSHJ PDP, CONMES
000140	201100	000012	02030	MOVEI TAC1, +D10
000141	135040	000123'	02040	LDB TAC, PJOBN
000142	260140	000000	02050	PUSHJ PDP, ANYRDX
000143	254000	000003'	02060	JRST CRLF
			02070	
000144	406312	242602	02080	ASSMS2: ASCIZ /ALREADY ASSIGNED TO JOB /
000145	422624	040646		
000146	516230	747212		
000147	421012	447500		
000150	452370	220000		
			02090	
			02100	;DEVICE ASSIGNED, GIVE IT A LOGICAL NAME
			02110	
000151	262140	000001	02120	ASSFIN: POP PDP, TAC ;RESTORE INPUT BYTE POINTER
000152	261140	000006	02130	PUSH PDP, DEVDAT ;SAVE DDB ADDRESS
000153	260140	000105'	02140	PUSHJ PDP, CTEXT1 ;GET SECOND ARG, LOGICAL DEVICE NAME
000154	332040	000002	02150	SKIPE TAC, TAC1 ;IS THERE A LOGICAL NAME SPECIFIED?
000155	260140	000000	02160	PUSHJ PDP, DEVLG ;YES, SEE IF IT IS ALREADY IN USE
			02170	;BY THIS USER
000156	254000	000161'	02180	JRST ASSF1 ;NO
000157	201040	000173'	02190	MOVEI TAC, LOGERR ;YES, PRINT ERROR
000160	260140	000137'	02200	PUSHJ PDP, CONMES
000161	200303	000000	02210	ASSF1: MOVE DEVDAT, (PDP) ;RESTORE DDB ADDRESS
000162	202106	000005	02220	MOVEM TAC1, DEVLOG(DEVDAT) ;STORE IN DEVICE DATA BLOCK
000163	205100	400000	02230	MOVSI TAC1, DVDIRIN ;CLEAR DIRECTORY IN CORE BIT
000164	412106	000004	02240	ANDCAM TAC1, DEVMOD(DEVDAT)
000165	260140	000000	02250	PUSHJ PDP, ERNAM ;PRINT PHYSICAL DEVICE NAME
000166	262140	000006	02260	POP PDP, DEVDAT
000167	265040	000160'	02270	JSP TAC, CONMES
			02280	
000170	202032	351622	02290	ASCIZ / ASSIGNED
000171	436350	542032		
000172	050000	000000	02300	/
			02310	
000173	462370	744606	02320	LOGERR: ASCIZ /LOGICAL NAME ALREADY IN USE, /
000174	406304	047202		
000175	466124	040630		
000176	512130	142262		
000177	202231	620252		
000200	516125	420000		

		02330	
		02340	
		02350	;"DEASSIGN DEV" - DEASSIGNS DEVICE FROM CONSOLE
		02360	
		02370	INTERNAL DEASSIGN, NOTDEV
		02380	EXTERNAL CTEXT1, DEVSRC, CONMES, ERNAM, DEASG, DEASTY
		02390	
000201	260140 000153'	02400	DEASSIGN: PUSHJ PDP, CTEXT1 ;GET DEVICE NAME
000202	322100 000000	02410	JUMPE TAC1,DEASTY ;NO ARG. IF 0, DEASSIGN ALL BUT TTY
000203	200040 000002	02420	MOVE TAC, TAC1 ;DEVICE NAME
000204	260140 000000	02430	PUSHJ PDP, DEVSRC ;SEARCH FOR DEVICE
000205	254000 000211'	02440	JRST DEAER1 ;NOT FOUND
000206	260140 000000	02450	PUSHJ PDP, DEASG ;FOUND, DEASSIGN IT
000207	254000 000216'	02460	JRST DEAER2 ;NOT PREVIOUSLY ASSIGNED
000210	263140 000000	02470	POPJ PDP, ;DEVICE DEASSIGNED
		02480	
		02490	NOTDEV:
000211	265040 000167'	02500	DEAER1: JSP TAC,CONMES ;PRINT NO SUCH DEVICE
		02510	
000212	472364 051652	02520	ASCIZ /NO SUCH DEVICE
000213	416204 042212		
000214	532230 342432		
000215	050000 000000	02530	/
		02540	
000216	261140 000006	02550	DEAER2: PUSH PDP, DEVDAT ;PRINT PHYSICAL DEVICE NAME
000217	260140 000165'	02560	PUSHJ PDP, ERNAM
000220	262140 000006	02570	POP PDP, DEVDAT
000221	265040 000211'	02580	JSP TAC,CONMES
		02590	
000222	202570 151634	02600	ASCIZ / WASN'T ASSIGNED
000223	236504 040646		
000224	516230 747212		
000225	420321 200000	02610	/
		02620	

		02630	
		02640	; "ATTACH N" - ATTACH CONSOLE TO JOB N
		02650	;CHANGES ADDRESS OF TTY DEVICE DATA BLOCK STORED IN -1(PDP)
		02660	;BY THE COMMAND DECODER
		02670	
		02680	INTERNAL ATTACH
		02690	EXTERNAL DECIN,TTYATT,JOBN,ERNAM,CONMES,TTYFND
		02700	
000226	260140 000050'	02710	ATTACH: PUSHJ PDP,DECIN ;GET JOB NO.
000227	254000 000243'	02720	JRST ATT1 ;NOT A NUMBER OR NONE SPECIFIED
000230	332000 000002	02730	SKIPE TAC1 ;0 IS ILLEGAL
000231	301100 000000	02740	CAIL TAC1, JOBN ;IS JOB NUMBER TOO BIG?
000232	254000 000243'	02750	JRST ATT1 ;ILLEGAL JOB NUMBER
000233	205040 004000	02760	MOVSI TAC,JNA ;HAS THIS JOB NO BEEN ASSIGNED?
000234	616042 000033'	02770	TDNN TAC,JBTSTS(TAC1)
000235	254000 000261'	02780	JRST ATT4 ;NO, PRINT ERROR
000236	200200 000002	02790	MOVE ITEM,TAC1 ;JOB NUMBER TO ITEM
000237	260140 000000	02800	PUSHJ PDP,TTYATT ;NO, ATTACH TTY
000240	254000 000251'	02810	JRST ATT2 ;ERROR CANT ATTACH
000241	202303 777777	02820	MOVEM DEVDAT,-1(PDP) ;CHANGE DEV DATA BLOCK ADDRES
000242	254000 000000	02830	JRST TTYFND ;ATTACHED. GO SET UP OUTP. BYTE PTR.
		02840	
000243	265040 000221'	02850	ATT1: JSP TAC,CONMES
000244	446311 442616	02860	ASCIZ /ILLEGAL JOB NUMBER
000245	406304 045236		
000246	411011 652632		
000247	412132 206424	02870	/
000250	000000 000000		
		02880	
000251	261140 000006	02890	ATT2: PUSH PDP,DEV DAT
000252	260140 000217'	02900	PUSHJ PDP,ERNAM ;PRINT TTY DEVICE NAME
000253	262140 000001	02910	POP PDP,TAC
000254	265040 000243'	02920	JSP TAC,CONMES
000255	202031 451212	02930	ASCIZ / ALREADY ATTACHED
000256	406113 120202		
000257	522510 141620		
000260	426101 505000	02940	/
		02950	
000261	265040 000254'	02960	ATT4: JSP TAC,CONMES
000262	452370 220234	02970	ASCIZ /JOB NEVER WAS INITIATED
000263	426550 551100		
000264	536032 320222		
000265	472232 444602		
000266	522130 406424	02980	/
000267	000000 000000		
		02990	
		03000	; "DETACH" - DETACH CONSOLE FORM JOB
		03010	
		03020	INTERNAL DETACH
		03030	EXTERNAL TTYDET
		03040	
000270	350003 000000	03050	DETACH: AOS (PDP) ;SUPRESS CR-LF SO NO TTY DDB SETUP
000271	254000 000000	03060	JRST TTYDET ;GO DETACH TTY
		03070	
		03080	END,

PROGRAM BREAK IS 000272

A	000000	INT
AC1	000015	INT
AC2	000016	INT
AC3	000017	INT
AL	000001	INT
ANYRDX	000142'	EXT
ANYRIN	000000	EXT
ASSASG	000126'	EXT
ASSCON	400000	INT
ASSER1	000135'	
ASSF1	000161'	
ASSFIN	000151'	
ASSG0	000113'	
ASSG1	000120'	
ASSG2	000131'	
ASSIGN	000105'	INT
ASSMS2	000144'	
ASSN	000112'	
ASSPRG	200000	INT
ATT1	000243'	
ATT2	000251'	
ATT4	000261'	
ATTACH	000226'	INT
R	000014	INT
BUFPNT	000012	INT
BUFWRD	000013	INT
CLOSR	002000	INT
CLSIN	000002	INT
CLSOUT	000001	INT
COMERA	000077'	EXT
CONMES	000261'	EXT
CONT	000022'	INT
CONTA	000025'	
CONTC	000032'	INT
CONTM	000034'	EXT
CONTU	000024'	EXT
COR2	000065'	
COR3	000077'	
CORE	000050'	INT
CORE1	000054'	EXT
CPOPJ	000057'	EXT
CPOPJ1	000021'	EXT
CRLF	000143'	EXT
CTEXT1	000201'	EXT
D	000017	INT
DAT	000005	INT
DCL	000001	INT
DCW	020000	INT
DDI	000007	INT
DDO	000006	INT
DDT1	000043'	
DDTG0	000036'	INT
DDTMEM	000037	INT
DDTSYM	000036	INT
DEAER1	000211'	

DEAER2	000216'	
DEASG	000206'	EXT
DEASSI	000201'	INT
DEASTY	000202'	EXT
DECIN	000226'	EXT
DEN	000004	INT
DETACH	000270'	INT
DEVADR	000007	INT
DEVBUF	000006	INT
DEVCHR	000001	INT
DEVCTR	000011	INT
DEVDAT	000006	INT
DEVIAD	000007	INT
DEVIOS	000002	INT
DEVLG	000155'	EXT
DEVLOG	000005	INT
DEVLST	000112'	EXT
DEVMOD	000004	INT
DEVNAM	000000	INT
DEVOAD	000010	INT
DEVPTR	000010	INT
DEVSER	000003	INT
DEVSRC	000204'	EXT
DGF	000012	INT
DIGITA	000045'	INT
DIN	000003	INT
DLK	000005	INT
DOU	000002	INT
DR	000016	INT
DRL	000000	INT
DSI	000011	INT
DSO	000010	INT
DTW	040000	INT
DVAVAL	000040	INT
DVCDR	100000	INT
DVDIR	000004	INT
DVDIRI	400000	INT
DVIN	000002	INT
DVLPT	040000	INT
DVMTA	000020	INT
DVOUT	000001	INT
DVTY	000010	INT
ENTRB	020000	INT
ERNAM	000252'	EXT
GET	000103'	INT
GETJOB	000103'	EXT
I	000010	INT
IB	000013	INT
IBUFB	200000	INT
IJOB	000000'	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
IOIMPM	400000	INT
IONRCK	000100	INT
IORDEL	000100	INT
IORET	000020	INT
IOS	000000	INT
IOSTRT	000010	INT
IOUSE	400000	INT
IOW	000001	INT
IOWC	000020	INT
IOWS	400000	INT
ITEM	000004	INT
JBFAADR	000000	INT
JBFCR	000002	INT
JBFPTR	000001	INT
JBTADR	000056'	EXT
JBTSTS	000234'	EXT
JBUF	000005	INT
JDAT	000011	INT
JERR	002000	INT
JLOW	100000	INT
JNA	004000	INT
JORDDT	000036'	EXT
JORINI	000000'	EXT
JORKIL	000004'	EXT
JORN	000231'	EXT
JORPFI	000063'	EXT
JORPR1	000062'	EXT
JORPRT	000061'	EXT
JORSA	000017'	EXT
JORZER	000053'	EXT
KJOB	000004'	INT
LOGERR	000173'	
LOOKR	040000	INT
MONJOB	000000	EXT
MTW	010000	INT
NOTDEV	000211'	INT
NOTENF	000106'	EXT
OBUEB	100000	INT
OCTIN	000013'	EXT
OUTPB	004000	INT
PDP	000003	INT
PICHN	000100	INT
PJOB	000001'	INT
PJOBN	000141'	EXT
PROG	000007	INT
RADX10	000065'	EXT

RUN	200000	INT
RUNABL	204000	INT
SAVE	000101'	INT
SAVJOB	000101'	EXT
SGSET	000104'	EXT
ST2	000016'	
ST3	000020'	
START	000005'	INT
START1	000000	EXT
STARTC	000010'	INT
STARTM	000012'	EXT
STARTU	000044'	EXT
STRT	000013'	
SYSTAP	000121'	EXT
T	000013	
T1	000012	
TAC	000001	INT
TAC1	000002	INT
TEM	000010	INT
TTYATC	020000	INT
TTYATT	000237'	EXT
TTYDET	000271'	EXT
TTYFND	000242'	EXT
TTYUSE	010000	INT
USRM00	010000	INT
UU0	000014	INT

END OF ASSEMBLY