

PF53 C E D I S K I N I T I A L I Z E R

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
			2	*	DATE OF LAST REVISION OR UPDATE, 09-29-70
0000			3	PF5	START 0
			4		DECK 4
			5	*****	
			6	*	SYSTEM/3 CE DISK INITIALIZER
			7	*	
0A00			8	ORG	X'0A00'
			9		
	0A00		10	INIT	EQU *
			11	*****	
			12	*	
			13	*	SECTION PREFACE
			14	*	
0A00	FF53	0A01	15	DC	XL2'FF53'
0A02	00	0A02	16	DC	XL1'00'
					SECTION FLAGS
0A03	01	0A03	17	DC	XL1'01'
					ROUTINE NO.
0A04	0000	0A05	18	DC	XL2'00'
					RESERVED
0A06	0A0D	0A07	19	DC	AL2(INITA)
					ADDRESS OF FIRST ROUTINE PREFIX
0A08	0000	0A09	20	DC	AL2(*-*)
					ADDRESS OF ERROR RECORDING TABLE
0A0A	A01000	0A0C	21	DC	XL3'A01000'
					SPUT
			22	*	
			23	*****	
			24		
			25	*****	
			26	*	
			27	*	ROUTINE PREFACE
			28		
0A0D	01	0A0D	29	INITA	DC XL1'01'
					ROUTINE NO.
0A0E	00	0A0E	30		DC XL1'00'
					ROUTINE FLAGS
0A0F	0CE9	0A10	31		DC AL2(RTN02)
					ADDRESS OF NEXT ROUTINE
			32	*	
			33	*****	

FF53 C E D I S K I N I T I A L I Z E R

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
		35	*		OPERATING INSTRUCTIONS
		36	*		
		37	*		AT THE FIRST HALT, SET THE FOLLOWING SWITCHES,
		38	*		
		39	*		1. SET SWITCH 10 TO RUN ON THE REMOVABLE DISK -OR-
		40	*		2. SET SWITCH 11 TO RUN ON THE FIXED DISK
		41	*		
		42	*		3. SET SWITCH 12 TO RUN ON DISK DRIVE 1
		43	*		4. SET SWITCH 13 TO RUN ON DISK DRIVE 2
		44	*		5. SET SWITCH 14 TO INITILIZE ALL CYLINDERS IF THE REMOVABLE
		45	*		DISK HAS BEEN SELECTED.
		46	*		6. SET SWITCH 16 TO MAKE 5 PASSES ON EACH WRITE AND VERIFY
		47			
0A11	C0 87 0F31	48	B	INITAA	SETUP FOR INITIALIZATION
		49	*		SET INITIAL VALUES PRIOR TO BEGINNING DISK INITIALIZATION
0A15	3C 00 1772	50	INITAB	MVI WRTDFC,00	SET FLAG BYTE TO 00.
0A19	3C 00 1773	51	MVI	WRTDFC+1,00	SET CYLINDER NUMBER TO 00.
0A1D	3C 00 1774	52	MVI	WRTDFC+2,00	SET HEAD AND SECTOR TO 00.
		53	*		TEST ONE TRACK WITH DATA PATTERN 55
		54			
0A21	3C 55 177A	55	PROCED	MVI WORK,X'55'	SET DATA PATTERN IN WRITE AREA
0A25	3C 17 1775	56	INITAC	MVI WRTDFC+3,23	SET NO. OF SECTORS TO EQUAL 24
0A29	3B 7F 1774	57	SBP	WRTDFC+2,X'7F'	SET SECTOR BITS TO ZERO
0A2D	3C 00 177B	58	MVI	ERRPLG,0	ZERO FLAG
0A31	3C 08 0F30	59	MVI	RETRY,8	SET SEEK RETRY COUNTER
		60			
0A35	C0 87 166D	61	INITAD	B STRTIO	TC I/O SUBROUTINE TO SEEK
0A39	00	0A39	62	DC XL1'00'	FUNCTION CODE
0A3A	00	0A3A	63	DC XL1'00'	CONTROL CODE
0A3B	1772	0A3C	64	DC AL2(WRTDFC)	CONTROL FIELD ADDRESS
0A3D	C0 87 14EC	65	B	SEEKER	ERROR RETURN
		66			
0A41	38 40 020A	67	TBN	SECTSW,X'40'	TEST FOR RUNNING ON FIXED
0A45	F2 10 44	68	JT	INITBB	JUMP IF YES
0A48	3C 08 1075	69	MVI	DISKTP,X'08'	SET FOR FIXED DISK
0A4C	C0 87 166D	70	B	STRTIO	TO READ ID
0A50	01	0A50	71	DC XL1'01'	FUNCTION CODE, (READ)
0A51	01	0A51	72	DC XL1'01'	CONTROL CODE, (ID)
0A52	1776	0A53	73	DC AL2(RDDFC)	CONTROL FIELD ADDRESS
0A54	C0 87 0CC4	74	B	READER	ERROR RETURN
		75			
0A58	0D 00 1773 1777	76	CLC	WRTDFC+1(1),RDDFC+1	COMPARE ACTUAL ADDRESS WITH EXPECTED
0A5E	F2 31 27	77	JE	INITBB-4	JUMP IF SEEKED TO CORRECT ADDRESS
		78			
0A61	39 03 1776	79	TBF	RDDFC,X'03'	CHECK BOTH FLAGS OFF
0A65	F2 10 03	80	JT	**6	IF OFF, RETRY COMMAND
0A68	F2 87 1D	81	J	INITBB-4	OTHERWISE CONTINUE
		82			
0A6B	3D 00 0F30	83	CLI	RETRY,0	CHECK RETRY COUNTER
0A6F	F2 81 CC	84	JE	IDERR	JUMP IF 8 RETRIES HAVE BEEN MADE
		85			
0A72	C0 87 166D	86	B	STRTIO	TO RECALIBRATE
0A76	00	0A76	87	DC XL1'0'	FUNCTION CODE, (CONTROL)
0A77	01	0A77	88	DC XL1'1'	CONTROL CODE, (RECALIBRATE)
0A78	1772	0A79	89	DC AL2(WRTDFC)	CONTROL FIELD ADDRESS
0A7A	C0 87 0A7E	90	B	**4	
		91			
0A7E	0F 00 0F30 176D	92	SLC	RETRY(1),ONE	DECREMENT RETRY COUNTER
0A84	C0 87 0A35	93	B	INITAD	GO SEEK AGAIN
0A88	3C 00 1075	94	MVI	DISKTP,0	SET FOR REMOVABLE
0A8C	C0 87 166D	95	INITBB	B STRTIO	TO I/O SUBROUTINE TO WRITE ID.
0A90	02	0A90	96	DC XL1'02'	FUNCTION CODE
0A91	01	0A91	97	DC XL1'01'	CONTROL CODE
0A92	1772	0A93	98	DC AL2(WRTDFC)	CONTROL FIELD ADDRESS
0A94	C0 87 1272	99	B	STEP12	ERROR RETURN,
		100			
0A98	3D 00 177B	101	CLI	ERRPLG,0	WAS THERE ANY ERROR?
0A9C	F2 01 48	102	JNE	INITAF	JUMP IF YES

FF53 C E D I S K I N I T I A L I Z E R

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
0A9F	3B 7F 1774		103	SBF	WRTDFC+2,X'7F'	SET SECTOR BITS TO ZERO
0AA3	3C 17 1775		104	MVI	WRTDFC+3,23	NORMAL RETURN, SET TO VERIFY.
0AA7	C0 87 166D		105	B	STRTIO	TO I/O SUBROUTINE TO VERIFY.
0AAB	01	0AAB	106	DC	XL1'01'	FUNCTION CODE
0AAC	03	0AAC	107	DC	XL1'03'	CONTROL CODE
0AAD	1772	0AAE	108	DC	AL2(WRTDFC)	CONTROL FIELD ADDRESS
0AAF	C0 87 1223		109	B	STEP10	ERROR RETURN
			110			
0AB3	3D 00 177B		111	CLI	ERRFLG,0	WAS THERE ANY ERROR?
0AB7	F2 01 2D		112	JNE	INITAF	JUMP IF YES
			113			
			114 *		TEST ONE TRACK WITH DATA PATTERN 00.	
			115			
0ABA	3D 00 177A		116	CLI	WORK,00	HAVE BOTH DATA PATTERNS BEEN USED?
0ABE	F2 81 08		117	JE	INITAQ	JUMP IF YES
0AC1	3C 00 177A		118	MVI	WORK,X'00'	CHANGE PATTERN
0AC5	C0 87 0A25		119	B	INITAC	
			120			
			121 *		REPEAT 5 TIMES IF SSW16 IS ON	
			122			
0AC9	3B 02 020A		123	INITAQ	TBN SWITCH,X'02'	CHECK FOR
0ACD	F2 90 17		124	JF	END16+4	SENSE SWITCH 16 ON
0AEO	3D 00 176E		125	CLI	COUNT,X'00'	INITIALIZE
0AD4	F2 01 06		126	JNE	*+9	COUNTER FOR
0AD7	0C 00 176E 176F		127	MVC	COUNT(1),PI	FIVE REPETITIONS
0ADD	0F 00 176E 176D		128	SLC	COUNT(1),ONE	WRITE AND VERIFY
0AE3	C0 01 0A21		129	END16	BNZ	PROCED
			130			FIVE TIMES
			131 *		BOTH PATTERNS HAVE BEEN USED, NOW STEP TO THE NEXT TRACK	
			132			
0AE7	3B 80 1774		133	INITAF	TBN WRTDFC+2,X'80'	IS TRACK #1 BIT ON?
0AEB	F2 10 08		134	JT	INITAG	JUMP IF YES
0AEE	3A 80 1774		135	SBN	WRTDFC+2,X'80'	SET ON IF IT WAS OFF
0AF2	C0 87 0A21		136	B	PROCED	PROCEED TO TEST NEXT TRACK
0AF6	3B 80 1774		137	INITAG	SBF WRTDFC+2,X'80'	TURN OFF TRACK #1 BIT
0AFA	0F 00 1773 176D		138	ALC	WRTDFC+1(1),ONE	ADD ONE TO CYLINDER NUMBER
0B00	3B 08 020A		139	TBN	SWITCH,X'08'	TEST FOR INITIALIZING ALL CYLINDERS
0B04	F2 10 2A		140	JT	INITBA	JUMP IF YES
0B07	3B 40 020A		141	TBN	SECTSW,X'40'	TEST FOR RUN ON FIXED DISK
0B0B	F2 10 23		142	JT	INITBA	JUMP IF YES
			143			
0B0E	C2 01 0B83		144	LA	CYLTLB,XR1	SET XR1 TO POINT TO TABLE
0B12	1D 00 1773 00		145	CKCYL	CLC WRTDFC+1(1),0(,XR1)	CHECK THIS ADDRESS
0B17	F2 01 06		146	JNE	STPPTR	JUMP IF NOT EQUAL TO ONE IN TABLE
0B1A	0E 00 1773 176D		147	ALC	WRTDFC+1(1),ONE	STEP WRITE ADDRESS ONE CYLINDER
0B20	D2 01 01		148	STPPTR	LA 1(,XR1),XR1	STEP XR1 +1
0B23	34 01 0B8E		149	ST	SAVXR1,XR1	STORE FOR COMPARISON
0B27	0D 01 0B8E 0B8C		150	CLC	SAVXR1(2),TBLEND	CHECK XR1 FOR STEPPED TO LIMIT
0B2D	C0 01 0B12		151	BNE	CKCYL	BRANCH IF NOT DONE
			152			
0B31	0D 00 1773 177C		153	INITBA	CLC WRTDFC+1(1),TRACK#	IS THIS VALUE HIGHER THAN MAX.
0B37	F2 84 55		154	JH	INITAH	YES, PROCEED TO PART 2.
0B3A	C0 87 0A21		155	B	PROCED	NO, USE THIS CYLINDER
			156			
0B3E	C0 87 021A		157	IDERR	B	PRINT
0B42	C6	0B42	158	DC	XL1'C6'	TO PRINT READ ID ERROR
0B43	31	0B43	159	DC	IL1'49'	FLAGS
0B44	0B82	0B45	160	DC	AL2(IDERMG)	LENGTH
0B46	A0F9	0B47	161	DC	XL2'A0F9'	MESSAGE ADDRESS
			162			MESSAGE ID
0B48	C0 87 0222		163	B	HALT	TO DCP ERROR HALT
0B4C	A0F9	0B4D	164	DC	XL2'A0F9'	HALT ID
			165			
0B4E	C0 87 0A11		166	B	INITAB-4	
			167			
0B52	C3C1D5D5D6E340E2 0B82	0B82	168	IDERMG	DC	CL49'CANNOT SEEK TO CORRECT CYLINDER BEFORE WRITING ID'
0E5A	C5C5D240E3D640C3		168			
0B62	D6D9D9C5C3E340C3		168			

PP53 C E D I S K I N I T I A L I Z E R

ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

0B6A	E813C9D5C4C5D94C		169			
0E72	C2C5C6D6D9C540P5		168			
0B7A	D9C9E3C9D5C740C9		168			
0B82	C4		168			
			169			
		0B83	170	CYLTRL EQU *		
0B83	C4C50647	0B86	171	DC	XL4'04050647'	
0B87	48494A4B	0E8A	172	DC	XL4'48494A4B'	
0B8B	0B8B	0E8C	173	TBLEND DC	AL2(*)	
0B8D	0000	0B8E	174	SAVXR1 DC	XL2'0'	
			175			
			175			
			176	*	INITIALIZATION IS COMPLETE, NOW READ THE ID ON EACH TRACK	
			177	*	AND COMPARE IT AGAINST THE EXPECTED ID	
			178			
0B8F	0C 00 1773 177C	179	INITAH MVC	WRTDFC+1(1), TRACK#	SET CYLINDER NO. TO LAST ONE	
0B95	3A 80 1774	180	SBN	WRTDFC+2, X'80'	TURN ON TRACK 1 BIT.	
0B99	35 02 0F2D	181	L	LSTADR, XR2	INITIALIZE POINTER	
0B9D	34 02 0F2B	182	ST	LSTSAV, XR2	AND SAVE	
0BA1	34 02 0F29	183	ST	ALTLST, XR2		
0BA5	0C 02 149B 1774	184	INITAI MVC	WRTSAV(3), WRTDFC+2	SAVE ORIGINAL FLAG, CYL & HEAD.	
0EAB	3C 08 0F30	185	MVI	RETRY, 8	LOAD REPLY COUNTER	
0BAF	C0 87 166D	186	INITAN B	STRTIO	TO I/O SUBROUTINE TO SEEK	
0BB3	00	0EB3	187	DC	XL1'00'	FUNCTION CODE
0BB4	00	0EB4	188	DC	XI'1'00'	CONTROL CODE
0BB5	1772	0EB6	189	DC	AL2(WRTDFC)	CONTROL FIELD ADDRESS
0BB7	C0 87 14EC		190	E	SEEKER	ERROR RETURN
			191			
0BBB	C0 87 166D		192	INITAE B	STRTIO	TO I/O SUBROUTINE TO READ ID
0BBF	01	0EBF	193	DC	XL1'01'	FUNCTION CODE
0BC0	01	0BC0	194	DC	XL1'01'	CONTROL CODE
0BC1	1776	0BC2	195	DC	AL2(RDDFC)	CONTROL FIELD ADDRESS
0BC3	C0 87 0CC4		196	B	READER	ERROR RETURN
			197			
0BC7	0D 00 149A 1773		198	CLC	WRTSAV-1(1), WRTDFC+1	COMPARE EXPECTED VS RECIEVED.
0BCD	F2 81 45		199	JE	INITAJ	JUMP IF EQUAL
0BD0	3D 02 1776		200	CLI	RDDFC, 02	DOES FLAG BYTE =02, (DEFECTIVE)?
0BD4	F2 81 A2		201	JE	INITAK	YES, GO SET ADDRESS IN TABLE
0BD7	3D 01 1776		202	CLI	RDDFC, 01	DOES FLAG BYTE =01, (ALTERNATE)?
0BDB	F2 81 B8		203	JE	INITAL	YES, GO COMPARE READ ADDRESS VS
			204	*		THE ADDRESSES IN THE LIST.
0BDE	3D 00 0F30		205	CLI	RETRY, 0	HAVE 8 RETRY'S BEEN MADE ?
0BE2	F2 81 1C		206	JE	INITAO	JUMP TO PRINT IF YES
0BE5	0C 02 1774 149B		207	MVC	WRTDFC+2(3), WRTSAV	RESTORE CONTROL FIELD
0BEB	C0 87 166D		208	B	STRTIO	DO RECALIBRATE IF NO
0BEF	00	0BEF	209	DC	XL1'0'	FUNCTION CODE (CONTROL)
0BF0	01	0BF0	210	DC	XL1'01'	CONTROL CODE (RECALIBRATE)
0BF1	1772	0BF2	211	DC	AL2(WRTDFC)	CONTROL FIELD ADDRESS
0BF3	C0 87 0BF7		212	B	**4	
0BF7	0F 00 0F30 176D		213	SLC	RETRY(1), ONE	DECREMENT REPLY COUNTER BY ONE
0BFC	C0 87 0BAF		214	B	INITAN	TRY TO READ ID AGAIN
			215			
0C01	C0 87 021A		216	INITAO B	PRINT	GO PRINT DUE TO AN INVALID CONDITION
0C05	C6	0C05	217	DC	XL1'C6'	FLAGS
0C06	2A	0C06	218	DC	IL1'42'	LENGTH
0C07	0E9A	0C08	219	DC	AL2(ERROR3)	ADDRESS OF LAST PRINT CHARACTER
0C09	A00A	0C0A	220	DC	XL2'A00A'	MESSAGE IDENTIFICATION
0C0B	C0 87 0222		221	B	HALT	TO DCP HALT
0C0F	A00A	0C10	222	DC	XL2'A00A'	HALT ID
0C11	C0 87 0A11		223	B	INITAB-4	TO TEST FOR ENTRIES
			224			
0C15	0C 02 1774 149B		225	INITAJ MVC	WRTDFC+2(3), WRTSAV	RESTORE ORIGINAL F, C & S BITS
0C1B	38 80 1774		226	TBN	WRTDFC+2, X'80'	TEST TRACK ONE BIT FOR ON.
0C1F	F2 90 08		227	JF	INITAM	JUMP IF OFF
0C22	3B 80 1774		228	SBF	WRTDFC+2, X'80'	TURN OFF IF PREVIOUSLY ON.
0C26	C0 87 0BA5		229	B	INITAI	GO READ ANOTHER ID
0C2A	3A 80 1774		230	INITAM SBN	WRTDFC+2, X'80'	TURN ON IF PREVIOUSLY OFF
0C2E	0F 00 1773 176D		231	SLC	WRTDFC+1(1), ONE	REDUCE CYLINDER VALUE BY ONE

PF53 C E D I S K I N I T I A L I Z E R

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
			232		
0C34	38 08 020A		233	TBN SWITCH,X'08'	TEST FOR INITIALIZING ALL CYL.
0C38	F2 10 2A		234	JT INITAP	JUMP IF YES
0C3B	38 40 020A		235	TBN SECTSW,X'40'	TEST FOR RUN ON FIXED DISK
0C3F	F2 10 23		236	JT INITAP	JUMP IF YES
			237		
0C42	C2 01 0E2D		238	LA TBLREV,XR1	LOAD TABLE ADDRESS IN XR1
0C46	1D 00 1773 00		239	CKCYLI CLC WRTDFC+1(1),0(,XR1)	CHECK THIS ADDRESS
0C4B	F2 01 06		240	JNE **9	JUMP IF NOT IN TABLE
0C4E	0F 00 1773 176D		241	SLC WRTDFC+1(1),ONE	REDUCE ADDRESS BY ONE
0C54	D2 01 01		242	LA 1(,XR1),XR1	STEP XR1 +1
0C57	34 01 0B9E		243	ST SAVX1,XR1	STORE FOR COMPARE
0C59	0D 01 0B9E 0E36		244	CLC SAVX1(2),TBLREV	CHECK FOR FINISHED
0C61	C0 01 0C46		245	BNE CKCYLI	BRANCH IF NOT DONE
			246		
0C65	3D FF 1773		247	INITAP CLI WRTDFC+1,X'FF'	TEST FOR MINUS ONE
0C69	C0 01 0BA5		248	BNE INITAI	BRANCH IF NOT DONE
0C6D	C0 87 021A		249	Z PRINT	TO PRINT COMPLETION MESSAGE
0C71	06	0C71	250	DC XL1'06'	FLAGS
0C72	1B	0C72	251	DC IL1'27'	LENGTH
0C73	1797	0C74	252	DC AL2(MSG01)	ADDRESS OF LAST PRINT CHARACTER
			253		
0C75	C0 87 0222		254	B HALT	
0C79	A0F8	0C7A	255	DC XL2'A0F8'	
0C7B	C0 87 022A		256	B LOAD	GO TO NEXT SECTION
0C7F	C0	0C7F	257	DC XL1'00'	
			258		
0C80	35 02 0F2B		259	INITAK L LS.SAV,XR2	LOAD X1 FROM SAVE LOCATION
0C84	8C 01 01 1774		260	MVC 1(2,XR2),WRTDFC+2	PLACE ADDRESS OF BAD TRACK IN LIST
0C89	EB 7F 01		261	SBF 1(,XR2),X'7F'	TURN OFF ALL SECTOR BITS
0C8C	0E 01 0F2B 0F2F		262	ALC LSTSAV(2),TWO	INCREMENT POINTER BY TWO.
0C92	C0 87 0C15		263	E INITAJ	GO STEP REQUESTED ADDRESS
			264		
0C96	35 02 0F29		265	INITAL L ALLTST,XR2	LOAD XR2 FROM SAVE LOCATION
0C9A	3B 7F 149B		266	SBF WRTSAV,X'7F'	TURN OFF ALL SECTOR BITS
0C9E	2D 01 149E 01		267	CLC WRTSAV(2),1(,XR2)	DOES SEEK ADDRESS EQUAL AN
			268	*	ADDRESS FROM THE LIST?
0CA3	F2 01 0A		269	JNE PRTER4	IF NO, GO PRINT ERROR
0CA6	0E 01 0F29 0F2F		270	ALC ALLTST(2),TWO	INCREASE POINTER BY TWO
0CAC	C0 87 0C15		271	B INITAJ	
0CB0	C0 87 021A		272	PRTER4 B PRINT	YES, PRINT ERROR
0CB4	C6	0CB4	273	DC XL1'C6'	FLAGS
0CB5	30	0CB5	274	DC IL1'48'	LENGTH
0CB6	0EBA	0CB7	275	DC AL2(ERROR4)	ADDRESS OF LAST PRINT CHARACTER
0CB8	A0F4	0CB9	276	DC XL2'A0F4'	IDENTIFICATION
0CBA	C0 87 0222		277	E HALT	TO DCP HALT
0CBE	A0F4	0CBF	278	DC XL2'A0F4'	HALT ID
0CC0	C0 87 0A11		279	B INITAB-4	TO TEST FOR ENTRIES
			280		
0CC4	3D 00 0F30		281	EADER CLI RETRY,0	HAVE 8 RETRIES BEEN MADE?
0CC8	F2 81 0A		282	JE READPT	JUMP TO PRINT IF YES
0CCB	0F 00 0F30 176D		283	SLC RETRY(1),ONE	DECREMENT RETRY COUNTER
0CD1	C0 87 0BBB		284	E INITAE	REPEAT READ ID
			285		
0CD5	C0 87 021A		286	READPT B PRINT	TO PRINT ERROR ON READ ID
0CD9	C6	0CD9	287	DC XL1'C6'	FLAGS
0CDA	2A	0CDA	288	DC IL1'42'	LENGTH
0CDB	0E60	0CDC	289	DC AL2(ERROR9)	ADDRESS OF LAST PRINT CHARACTER.
0CDE	A00F	0CDE	290	DC XL2'A00F'	MESSAGE ID
0CDF	C0 87 0222		291	B HALT	TO DCP HALT
0CE3	A00F	0CE4	292	DC XL2'A00F'	HALT ID
0CE5	C0 87 0A11		293	B INITAB-4	TO TEST FOR ENTRIES

PF53 CE DISK INITIALIZER

ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	295	*****		*****
	296	*		*
	297	*		THIS ROUTINE IS USED TO INITIALIZE THE CE TRACK ONLY.
	298	*		SELECTION OF THIS ROUTINE IS VIA OPTION P202.
	299	*		*
	300	*****		*****
	301	*		ROUTINE PREFIX
OCE9 02	OCE9 302	RTN02	DC	XL1'02' ROUTINE NUMBER
OCEA 00	OCEA 303		DC	XL1'00' NO INTERVENTION REQUIRED
OCEB FFFF	OCEC 304		DC	XL2'FFFF' LAST ROUTINE
	305	*		*
	306	*****		*****
OCEC C0 87 0F31	307	XXX	B	INITAA SETUP FOR INITIALIZATION
	308	*		*
	309	*		SET INITIAL VALUES PRIOR TO BEGINNING DISK INITIALIZATION
	310	*		*
OCP1 3C 00 1772	311	MVI	WRTDFC,00	SET FLAG BYTE TO 00.
OCE5 0C 00 1773 177C	312	MVC	WRTDFC+1(1),TRACK#	SET FOR CORRECT CYLINDER NUMBER
OCEB 3C 00 1774	313	MVI	WRTDFC+2,00	SET HEAD AND SECTOR TO 00.
	314			
	315	*		TEST CE TRACK WITH DATA PATTERN 55
	316			
OCEFF 3C 55 177A	317	PROCC1	MVI	WORK,X'55' SET DATA PATTERN IN WRITE AREA
OD03 3C 17 1775	318	INIT13	MVI	WRTDFC+3,23 SET NO. OF SECTORS TO EQUAL 24
OD07 3B 7F 1774	319	SBF	WRTDFC+2,X'7F'	SET SECTOR BITS TO ZERO
OD0B 3C 00 177B	320	MVI	ERRPLG,0	ZERO FLAG
OD0F 3C 08 0F30	321	MVI	RETRY,8	SET SEEK RETRY COUNTER
	322			
OD13 C0 87 166D	323	INIT14	B	STRTIO TO I/O SUBROUTINE TO SEEK
OD17 00	OD17 324		DC	XL1'00' FUNCTION CODE
OD18 00	OD18 325		DC	XL1'00' CONTROL CODE
OD19 1772	OD1A 326		DC	AL2(WRTDFC) CONTROL FIELD ADDRESS
OD1B C0 87 14EC	327		B	SEEKER ERROR RETURN
	328			
OD1F 38 40 020A	329	TBN	SECTSW,X'40'	TEST FOR RUNNING ON FIXED
OD23 F2 10 44	330	JT	INIT22	JUMP IF YES
OD26 3C 08 1075	331	MVI	DISKTP,X'08'	SET FOR FIXED DISK
OD2A C0 87 166D	332	B	STRTIO	TO READ ID
OD2E 01	OD2E 333		DC	XL1'01' FUNCTION CODE, (READ)
OD2F 01	OD2F 334		DC	XL1'01' CONTROL CODE, (ID)
OD30 1776	OD31 335		DC	AL2(RDDFC) CONTROL FIELD ADDRESS
OD32 C0 87 0CC4	336		B	READER ERROR RETURN
	337			
OD36 0D 00 1773 1777	338	CIC	WRTDFC+1(1),RDDFC+1	COMPARE ACTUAL ADDRESS WITH EXPECTED
OD3C F2 81 27	339	JE	INIT22-4	JUMP IF SEEKED TO CORRECT ADDRESS
	340			
OD3F 39 03 1776	341	TBF	RDDFC,X'03'	CHECK FOR BOTH FLAGS OFF
OD43 F2 10 03	342	JT	**6	IF OFF, RETRY COMMAND
OD46 F2 87 1D	343	J	INIT22-4	OTHERWISE CONTINUE
	344			
OD49 3D 00 0F30	345	CLI	RETRY,0	CHECK RETRY COUNTER
OD4D F2 81 5C	346	JE	IDRR	JUMP IF 8 RETRIES HAVE BEEN MADE
	347			
OD50 C0 87 166D	348	B	STRTIO	TO RECALIBRATE
OD54 00	OD54 349		DC	XL1'0' FUNCTION CODE, (CONTROL)
OD55 01	OD55 350		DC	XL1'1' CONTROL CODE, (RECALIBRATE)
OD56 1772	OD57 351		DC	AL2(WRTDFC) CONTROL FIELD ADDRESS
OD58 C0 87 0D5C	352		B	**4
	353			
OD5C 0F 00 0F30 176D	354	SLC	RETRY(1),ONE	DECREMENT RETRY COUNTER
OD62 C0 87 0D13	355	B	INIT14	GO SEEK AGAIN
OD66 3C 00 1075	356	MVI	DISKTP,0	SET FOR REMOVABLE
OD6A C0 87 166D	357	INIT22	B	STRTIO TO I/O SUBROUTINE TO WRITE ID.
OD6E 02	OD6E 358		DC	XL1'02' FUNCTION CODE
OD6F 01	OD6F 359		DC	XL1'01' CONTROL CODE
OD70 1772	OD71 360		DC	AL2(WRTDFC) CONTROL FIELD ADDRESS
OD72 C0 87 0DC0	361		B	STEPCE ERROR RETURN,
	362			

PF53 C E D I S K I N I T I A L I Z E R

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
0D76	3B 7F 1774		363	SBF	WRTDPC+2,X'7F'	SET SECTOR BITS TO ZERO	
0D7A	3C 17 1775		364	MVI	WRTDPC+3,23	NORMAL RETURN, SET TO VERIFY.	
0D7E	C0 87 166D		365	B	STRTIO	TO I/O SUBROUTINE TO VERIFY.	
0D82	01	0D82	366	DC	XL1'01'	FUNCTION CODE	
0D83	03	0D83	367	DC	XL1'03'	CONTROL CODE	
0D84	1772	0185	368	DC	AL2(WRTDPC)	CONTROL FIELD ADDRESS	
0D86	C0 87 0DD4		369	B	STEP01	ERROR RETURN	
			370				
			371	*	TEST CE TRACK WITH DATA PATTERN 00.		
			372				
0D8A	3D 00 177A		373	CLI	WORK,00	HAVE BOTH DATA PATTERNS BEEN USED?	
0D8E	F2 01 13		374	JNE	STEP03	JUMP IF NO	
0D91	C0 87 021A		375	B	PRINT	PRINT	
0D95	J6	0D95	376	DC	XL1'06'	INITIALIZATION	
0D96	13	0D96	377	DC	IL1'27'	IS NOW	
0D97	1797	0D98	378	DC	AL2(MSG01)	COMPLETE	
			379				
0D99	C0 87 0222		380	E	HALT	HALT OF	
0D9C	A0F8	0D9E	381	DC	XL2'A0F8'	-F8-	
0D9F	C0 87 022A		382	E	LOAD	LOAD NEXT SECTION	
0DA3	00	0DA3	383	DC	XL1'00'		
			384				
0DA4	3C 00 177A		385	STEP03 MVI	WORK,X'00'	CHANGE PATTERN	
0DAE	C0 87 0D03		386	B	INIT'3		
0DAC	C0 87 021A		387	IDRR	B	PRINT	
0DB0	C6	0DB0	388	DC	XL1'C6'	TO PRINT READ ID ERROR	
0DB1	31	0DB1	389	DC	IL1'49'	FLAGS	
0DB2	0B82	0DB3	390	DC	AL2(IDEFMG)	LENGTH	
0DB4	A0F9	0DB5	391	DC	XL2'A0F9'	MESSAGE ADDRESS	
			392			MESSAGE ID	
0DB6	C0 87 0222		393	E	HALT	TO DCP ERROR HALT	
0DBA	A0F9	0DBB	394	DC	XL2'A0F9'	HALT ID	
0DBC	C0 87 0CED		395	E	XXX	RESTART ROUTINE	
			396				
			396				
01C0	C0 87 021A		397	STEP0E	B	PRINT	
0DC4	C6	0DC4	398	DC	XL1'C6'	PRINT 'ERROR	
0DC5	2D	0DC5	399	DC	IL1'45'	OCCURRED	
0DC6	03E7	0DC7	400	DC	AL2(MSGWID)	WHILE DOING	
0DC8	A09C	0DC9	401	DC	XL2'A09C'	WRITE ID COMMAND'	
			402				
0DCA	C0 87 0222		403	E	HALT	HALT OF	
0DCE	A09C	0DCF	404	DC	XL2'A09C'	-9C-	
0DD0	C0 87 0CED		405	E	XXX	RESTART ROUTINE	
			406				
			406				
			407	*	THIS SUBROUTINE WILL RETRY A VERIFY		
			408	*	UP TO A MAXIMUM OF TEN TIMES BEFORE		
			409	*	PRINTING AN ERROR MESSAGE		
			410				
0DD4	34 08 0E2C		411	STEP01	ST	ENDSTP+3,ARR	SAVE RETURN ADDRESS
0DD8	C0 87 1657		412	B	SENSE	SAVE	
0DDC	02	0DDC	413	DC	XL1'02'	STATUS	
0DDD	39 28 176A		414	TBF	STATUS-1,X'28'	CHECK FOR MISSING ADDRESS MARKER	
0DE1	F2 10 45		415	JT	ENDSTP	OR DATA CHECK	
0DZ4	3D 00 1271		416	CLI	ERCONT,X'00'	CHECK COUNTER	
0DE8	F2 01 04		417	JNE	**7		
0DEB	3C 0A 1271		418	MVI	ERCONT,10		
0DEF	C0 87 166D		419	SIO1	B	STRTIO	
0DF3	01	0DF3	420	DC	XL1'01'	TO I/O SUBROUTINE TO VERIFY	
0DF4	03	0DF4	421	DC	XL1'03'	FUNCTION CODE	
0DF5	1772	0DF6	422	DC	AL2(WRTDPC)	CONTROL CODE	
0EF7	C0 87 0E08		423	B	SIO3	CONTROL FIELD ADDRESS	
0DFB	0F 00 1271 176D		424	SIO2	SLC	ERROR RETURN	
0E01	F2 91 25		425	JZ	ERCONT(1),ONE	DECREMENT COUNTER	
0E04	C0 87 0DEF		426	B	SIO1	CONTINUE	
0E08	C0 87 1657		427	SIO3	B	TO VERIFY	
0E0C	02	0E0C	428	DC	XL1'02'	SAVE	
						STATUS	

PF53 CE DISF INITIALIZER

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	
0E0D	39	28	175A		429	TBF	STATUS-1,X'29'	CHECK FOR MISSING ADDRESS MARKER
0E11	C0	10	GDFB		430	BT	SIO2	OR DATA CHECK
0E15	C0	P7	021A		431	B	PRINT	PRINT 'ERROR
0E19	C6			0E19	432	DC	XL1'C6'	OCCURRED WHILE
0E1A	40			0E1A	433	DC	IL1'64'	DOING A VERIFY
0E1B	0F27			0E1C	434	DC	AL2(MSGVRF)	ON THE CE TRACK'
0E1E	A0FA			0E1E	435	DC	XL2'A0FA'	
					436			
0E1F	C0	87	0222		437	B	HALT	HALT OF
0E23	A0FA			0E24	438	DC	XL2'A0FA'	-PA-
0E25	3C	00	1271		439	MVI	ERCONT,X'00'	RESET COUNTER
0E29	C0	97	0000		440	ENDSTP	B	**
					441			RETURN
				0E2D	442	TBLREV	EQU	*
0E2D	4B4A4948			0E30	443	DC	XL4'4B4A4948'	
0E31	47C60504			0E34	444	DC	XL4'47060504'	
0E35	0E35			0E36	445	TBLENE	DC	AL2(*)
					446			
0E37	C5D9D9D6D94CE6C3			0E60	447	ERFOR9	DC	CL42'ERROR WHILE READING ID, PROGRAM TERMINATED'
0E3F	C9E3C540D9C5C1C4				447			
0E47	C9D5C740C9C46B40				447			
0E4F	E7E9E6C7D9C1D440				447			
0E57	E3C5D9D4C9D5C1E3				447			
0E5F	C5C4				447			
0E61	23C8C540C9C440D9	0E8A		448	ERFOR3	DC	CL42'THE ID READ DOES NOT EQUAL THE ID EXPECTED'	
0E69	25C1C440C4D6C5E2				448			
0E71	40D5D6E340C5D8E4				448			
0E79	21E340E3C8C540C9				448			
0E81	C440C5E7D7C5C3E3				448			
0E89	C5C4				448			
0E8B	C5D9D9D6D940C9D5	0E8A		449	ERFOR4	DC	CL43'ERROR IN ALTERNATE TRACK ASSIGNMENT, PGM. TERM.'	
0E93	40C1D3E3C5D9E5C1				449			
0E9B	E3C540E3D9C1C3D2				449			
0EA3	40C1E2E2C9C7D5D4				449			
0EAB	C5D5E36B4CD7C7D4				449			
0EB3	4B40E3C5D9D44B40				449			
0EBB	C5D9D9D6D940D6C3	0EE7		450	MSGWID	DC	CL45'ERROR OCCURRED WHILE DOING A WRITE ID COMMAND'	
0EC3	C3E4D9E9C5C440E6				450			
0ECB	C8C9D3C540C4D6C9				450			
0ED3	D5C740C140E6D9C9				450			
0EDB	E3C540C9C440C3D6				450			
0EE3	E4I4C1D5C4				450			
0EE8	C5D9D9D6D940D6C3	0F07		451		DC	CL32'ERROR OCCURRED WHILE DOING A VER'	
0EFO	C3E4D9D9C5C440E6				451			
0EF8	C8C9D3C540C4D6C9				451			
0F00	D5C740C140E5C5D9				451			
0F08	C9C6E840C4C1E3C1	0F27		452	MSGVRF	LC	CL32'IFY DATA COMMAND ON THE CE TRACK'	
0F10	40C3D6D4E4C1D5C4				452			
0F18	40D6D540E3C8C540				452			
0F20	C3C540E3D9C1C3D2				452			
0F28	C000	0F29		453	ALTLST	DC	XL2'0'	
0F2A	0000	0F2B		454	LSTSAV	DC	XL2'00'	
0F2C	17F5	0F2D		455	LSTADR	DC	AL2(LIST)	
0F2E	0002	0F2F		456	TWO	DC	XL2'02'	
0F30	00	0F30		457	RETRY	DC	XL1'0'	
					458			
					459	*		
					460	*	THIS SUBROUTINE WILL PRINT INSTRUCTIONS	
					461	*	NECESSARY TO SELECT THE DESIRED DISK AND	
					462	*	SPINDLE THAT IS TO BE INITIALIZED.	
					463	*		
0F31	34	02	1074		464	INITAA	ST	SAVE RETURN ADDRESS
0F35	3C	00	1761		465	MVI	FRSTPS,0	INITIALIZE SWITCH
0F39	3C	00	020A		466	MVI	SECTSW,0	ZERO SWITCH AREA
0F3D	3C	00	176E		467	MVI	COUNT,0	ZERO COUNTER
0F41	3D	C1	0A03		468	CLI	CRTNO,X'01'	CHECK FOR ROUTINE 1
0F45	F2	81	11		469	JE	CONTINUE	JUMP IF CAME FROM ROUTINE 1

PF53 C E D I S K I N I T I A L I Z E R

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	
0F48	3C	4E	0F6C		470	MVI	MOD1,78	MODIFY
0F4C	0C	01	103D	1222	471	MVC	MOD5(2),MOD3	FOR
0F52	3C	41	103B		472	MVI	MOD4,65	ROUTINE
0F56	F2	87	0E		473	J	**17	TWO
0F59	3C	31	0F6C		474	CONTINUE MVI	MOD1,49	MODIFY
0F5D	0C	01	103D	1220	475	MVC	MOD5(2),MOD2	FOR
0F63	3C	38	103B		476	MVI	MOD4,56	ROUTINE ONE
0F67	C0	87	021A		477	B	PRINT	TO PRINT BEFORE HALT
0F6B	42			0F6B	478	DC	XL1'42'	FLAGS
0F6C	00			0F6C	479	MOD1 DC	IL1'00'	LENGTH
0F6D	10C3			0F6E	480	DC	AL2(STRTHS)	MESSAGE ADDRESS
0F6F	A0F0			0F70	481	DC	XL2'A0F0'	MESSAGE ID
0F71	C0	87	021A		482	B	PRINT	PRINT
0F75	01			0F75	483	DC	XL1'01'	DISK
0F76	27			0F76	484	DC	IL1'39'	SELECTION
0F77	10FC			0F78	485	DC	AL2(NODISK)	
0F79	C0	97	021A		486	B	PRINT	PRINT
0F7D	06			0F7D	487	DC	XL1'06'	DRIVE
0F7E	24			0F7E	488	DC	IL1'36'	SELECTION
0F7F	1133			0F80	489	DC	AL2(NOSPND)	
0F81	C0	87	0222		490	B	HALT	TO DCP HALT
0F85	A0F0			0F86	491	DC	XL2'A0F0'	HALT ID
					492			
0F87	C0	87	0212		493	SETDSK B	TEST	GO READ CONSOLE SWITCHES
0F8E	38	80	020A		494	TBN	SECTSW,X'80'	TEST FOR REMOVABLE DISK SELECT
0F9F	F2	10	1B		495	JT	SETRMV	YES, SET TO RUN REMOVABLE DISK
0F92	38	40	020A		496	TBN	SECTSW,X'40'	TEST FOR FIXED DISK SELECT
0F96	F2	10	21		497	JT	SETFXT	YES, SET TO RUN FIXED DISK
0F99	C0	87	021A		498	B	PRINT	NO DISK SELECT
0F9D	C6			0F9D	499	DC	XL1'C6'	FLAGS
0F9E	39			0F9E	500	DC	IL1'57'	LENGTH
0F9F	10FC			0FA0	501	DC	AL2(NODISK)	ADDRESS OF LAST PRINT CHARACTER
0FA1	A0F1			0FA2	502	DC	XL2'A0F1'	MESSAGE IDENTIFICATION
0FA3	C0	87	0222		503	B	HALT	TO DCP HALT
0FA7	A0F1			0FA8	504	DC	XL2'A0F1'	HALT ID
0FA9	C0	37	0F87		505	B	SETDSK	LOOP TO ENTER AGAIN
					506			
0FAD	3C	00	1075		507	SETRMV MVI	DISKTP,00	SET TO RUN ON REMOVABLE DISK
0FB1	0C	0D	116B	1182	508	MVC	DSKPTR(14),RMDISK	SET PRINT FIELD FOR REMOVABLE DISK
0FB7	F2	87	0A		509	J	SETSPL	PROCEED
0FBA	3C	08	1075		510	SETFXT MVI	DISKTP,X'08'	SET TO RUN ON FIXED DISK
0FB3E	0C	0D	116B	1190	511	MVC	DSKPTR(14),FXDISK	SET PRINT FIELD FOR FIXED DISK
					512			
0FC4	38	20	020A		513	SETSPL TBN	SECTSW,X'20'	IS SWITCH 12 ON ?
0FC8	F2	10	1B		514	JT	SETA	YES, SET TO RUN SPINDLE A
0FCB	38	10	020A		515	TBN	SECTSW,X'10'	IS SWITCH 13 ON ?
0FCF	F2	10	21		516	JT	SETB	YES, SET TO RUN SPINDLE B.
0FD2	C0	87	021A		517	B	PRINT	NO SPINDLE SELECT
0FD6	C6			0FD6	518	DC	XL1'C6'	FLAGS
0FD7	37			0FD7	519	DC	IL1'55'	LENGTH
0FD8	1133			0FD8	520	DC	AL2(NOSPND)	ADDRESS OF LAST PRINT CHARACTER
0FDA	A0F2			0FDB	521	DC	XL2'A0F2'	MESSAGE IDENTIFICATION
0FDC	C0	87	0222		522	B	HALT	TO DCP HALT
0FE0	A0F2			0FE1	523	DC	XL2'A0F2'	HALT ID
0FE2	C0	87	021A		524	B	SETDSK	LOOP TO ENTER AGAIN
					525			
0FE6	C8	00	16AC	1764	526	SETA MZZ	LDPCR+1,SPNDLA	SET TO RUN ON SPINDLE A.
0FEC	3C	F1	115B		527	MVI	RUNPRT-2,C'1'	SET PRINT FIELD FOR DISK DRIVE 1
0FF0	F2	87	0A		528	J	SETBTH	PROCEED
0FF3	08	00	16AC	1765	529	SETB MZZ	LDPCR+1,SPNDLB	SET FOR SPINDLE B.
0FF9	3C	F2	115B		530	MVI	RUNPRT-2,C'2'	SET PRINT FIELD FOR DISK DRIVE 2
					531			
0FFD	08	00	1620	16AC	532	SETBTH MZZ	LDPCR+1,LDPCR+1	SET FOR CURRENT SPINDLE
1003	08	00	16B4	16AC	533	MZZ	SIO+1,LDPCR+1	SET FOR CURRENT SPINDLE
1009	08	00	16B7	16AC	534	MZZ	WAIT+1,LDPCR+1	SET FOR CURRENT SPINDLE
100F	08	00	16E4	16AC	535	MZZ	TSTERR+1,LDPCR+1	SET FOR CURRENT SPINDLE
1015	08	00	165	16AC	536	MZZ	SNS+1,LDPCR+1	SET FOR CURRENT SPINDLE
101B	08	00	170F	16AC	537	MZZ	RLDPCR+1,LDPCR+1	SET FOR CURRENT SPINDLE

PF53 C E D I S K I N I T I A L I Z E R

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
1021	08	00	1713	16AC	538	MZZ	PSIO+1,LDPCR+1 SET FOR CURRENT SPINDLE
1027	3C	06	1044		539	MVI	MOD6,X'06'
102E	39	08	020A		540	TBF	SWITCH,X'08'
102F	F2	10	04		541	JT	**7
1032	3C	02	1044		542	MVI	MOD6,X'02'
1036	C0	87	021A		543	E	PRINT
103A	42			103A	544	DC	XL1'62'
103B	00			103C	545	MOD4 DC	IL1'00'
103C	0000			103D	546	MOD5 DC	AL2(*-*)
103E	A0F3			103F	547	DC	XL2'A0F3'
1040	C0	87	021A		548	E	PRINT
1044	C0			1044	549	MOD6 DC	XL1'00'
1045	3E			1045	550	DC	IL1'62'
1046	11CE			1047	551	DC	AL2(MSGCAT)
1048	39	08	020A		552	TBF	SWITCH,X'08'
104C	F2	10	04		553	JT	**11
104F	C0	87	021A		554	E	PRINT
1053	06			1053	555	DC	XL1'06'
1054	50			1054	555	DC	IL1'80'
1055	121E			1056	557	DC	AL2(MSGALL)
1057	C0	87	0222		558	B	HALT
105E	A0F3			105C	559	DC	XL2'A0F3'
105I	C0	87	1657		561	E	SENSE
1061	02			1061	562	DC	XL1'02'
1062	3C	CB	177C		563	MVI	TRACK#,203
1066	38	08	176B		564	TBN	STATUS,X'08'
106A	F2	90	04		565	JF	ENDSET
106D	3C	87	177C		566	MVI	TRACK#,103
1071	C0	87	0000		567	ENDSET B	**-
					568		
1075	00			1075	569	DISKTP DC	XL1'00'
1076	C6D6D940C3C540F3			1092	570	DC	CL29'FOR CE TRACK INITIALIZATION, '
107E	D9C1C3D240C9D5C9			570			
1086	E3C9C1D3C9E9C1E3			570			
108E	C9D6D5E840			570			
1093	E2C5E340E2E6C9E3	10C3		571	STRIMS DC	CL49'SET SWITCHES TO SELECT DISK SURFACE AND DRIVE NO.'	
109B	C3C8C5E240E3D640			571			
10A3	E2C5D3C5C3E340C4			571			
10AB	C9E2D240E2E4D9C6			571			
10E3	C1C3C540C1D5C440			571			
10EB	C4D9C9F5C540D5D6			571			
10C3	4B			571			
10C4	D5D640C4C9E2D240	10F7		572	DC	CL52'NO DISK SELECTED, ENTER 10 FOR REMOVABLE, OR 11 FOR '	
10CC	E2C5D3C5C3E3C5C4			572			
10D4	6B40C5D5E3C5D940			572			
10DC	F1F040C6D6D940D9			572			
10E4	C5D4D6E5C1C2D3C5			572			
10EC	6B40D6D940F1F140			572			
10F4	C6D6D940			572			
10F8	C6C9E7C5C4	10FC		573	NODISK DC	CL5'FIXED'	
10FD	D5D640C4D9C9E5C5	112B		574	DC	CL47'NO DRIVE SELECTED, ENTER 12 FOR DRIVE 1, 13 FOR'	
1105	40E2C5D3C5C3E3C5			574			
110D	C46B40C5D5E3C5D9			574			
1115	40F1F240C6D6D940			574			
111D	C4D9C9E5C540F16B			574			
1125	40F1F340C6D6D9			574			
112C	40C4D9C9E5C540F2	1133		575	NOSPND DC	CL08' DRIVE 2'	
1134	D7D9D6C7D9C1D440	115D		576	RUNPRT DC	CL42'PROGRAM WILL NOW INITIALIZE DISK DRIVE X, '	
113C	E6C9D3D340D5D6E6			576			
1144	40C9D5C9E3C9C1D3			576			
114C	C9E9C540C4C9E2D2			576			
1154	40C4D9C9E5C540E7			576			
115C	6B40			576			
115E	4040404040404040	116B		577	DISKPRD DC	CL14'	
1166	404040404040			577			
116C	60C3C540E3D9C1C3	1174		578	CE1RK DC	CL19'-CE TRACK'	

PF53 C E D I S K I N I T I A L I Z E R

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	17E6	CO 87 0000		1031	TIxE B	*-* EXIT
	17EA	F1	17EA	1032	DECONe DC	CL1'1'
	17EB	F1F2F3F4F5F6F7F8	17F4	1033	UNITS DC	CL10'1234567890'
	17F3	F9F0		1033		
	17F5		17F5	1034	LIST EQU	*
			181C	1035	DS	CL40
	006F	1036	H0	EQU	X'6F'	HALT DISPLAY 0
	0003	1037	H1	EQU	X'03'	HALT DISPLAY 1
	0076	1038	H2	EQU	X'76'	HALT DISPLAY 2
	0057	1039	H3	EQU	X'57'	HALT DISPLAY 3
	001B	1040	H4	EQU	X'1B'	HALT DISPLAY 4
	005C	1041	H5	EQU	X'5C'	HALT DISPLAY 5
	007D	1042	H6	EQU	X'7D'	HALT DISPLAY 6
	0007	1043	H7	EQU	07	
	007F	1044	H8	EQU	X'7F'	HALT DISPLAY 8
	005F	1045	H9	EQU	X'5F'	HALT DISPLAY 9
	003F	1046	HA	EQU	X'3F'	HALT DISPLAY A
	0079	1047	HB	EQU	X'79'	HALT DISPLAY B
	C06C	1048	HC	EQU	X'5C'	HALT DISPLAY C
	0073	1049	HD	EQU	X'73'	HALT DISPLAY D
	007C	1050	HE	EQU	X'7C'	HALT DISPLAY E
	003C	1051	HF	EQU	X'3C'	HALT DISPLAY F
	003B	1052	HH	EQU	X'3B'	HALT DISPLAY H
	0001	1053	XR1	EQU	1	
	0002	1054	XR2	EQU	2	
	0008	1055	AR3	EQU	08	
	020A	1056	SECTSW	EQU	X'20A'	
	020A	1057	SWITCH	EQU	X'20A'	
	0212	1058	TEST	EQU	X'212'	
	0216	1059	LINK	EQU	X'216'	
	021A	1060	PRINT	EQU	X'21A'	
	022A	1061	LOAD	EQU	X'22A'	
	021E	1062	UNPACK	EQU	X'21E'	
	0222	1063	HALT	EQU	X'222'	
	0A03	1064	CRINO	EQU	X'0A03'	
	FFFF	1065		END		

ZF53 C E D I S K I N I T I A L I Z E R

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
ADREXT	A	004	175A	0977	0946* 0973
ALTLST	A	002	0F29	0453	0183* 0255 0270*
ALTPRT	A	045	1497	0770	0718 0722* 0724* 0734
ALTSAV	A	004	149F	0772	0647* 0672 0690 0717 0720 0749
ARR	C	001	0008	1055	0411 0464 0592 0632 0807 0873 0900 0909 0946 1015* 1016 1017*
					1018 1019 1020* 1021
BUFR1	A	002	1771	0996	0634* 0635 0638 0640*
BUFR2	A	002	14A4	0774	0638
BUSY	C	001	00A2	0984	0927
CETRK	A	009	1174	0578	0586
CHAPRT	A	004	1541	0836	0830
CHKRTY	A	001	15D1	0892	0808* 0829 0831* 0856* 0861
CKCYL	A	005	0B12	0145	0151
CKCYLI	A	005	0C46	0239	0245
CONT'VE	A	004	0F59	0474	0469
COUNT	A	001	176E	0994	0125 0127* 0128* 0467*
CRTHO	C	001	0A03	1064	0468 0969
CTLREG	C	001	00A6	0986	0924* 0956*
CVD	A	004	1799	1015	0706 0716 0787
CYLTBL	A	001	0B83	0170	0144
DECGAN	A	006	17D3	1027	1030
DECONE	A	001	17EA	1032	1029
DEFECT	A	037	146A	0769	0708 0712* 0714* 0729 0789 0791* 0794* 0799
DELAY1	A	004	16D2	0934	0937
DPCR	A	002	1767	0990	0913* 0924 0956
DPC3SV	A	001	1763	0982	0914* 093C
DPDR	A	002	1769	0991	0925
DISKTP	A	001	1075	0569	0069* 0094* 0331* 0356* 0507* 0510* 0917
DSKPRT	A	014	116B	0577	0508* 0511* 0585
ENDSET	A	004	1071	0567	0464* 0565
ENDSTP	A	004	0E29	0440	0411* 0415 0425
END16	A	004	0AE3	0129	0124
EQUCHK	A	004	152A	0829	0813 0843
ERCONT	A	002	1271	0621	0416 0418* 0424* 0439* 0599 0601* 0608* 0619*
ERRPLG	A	001	177B	1008	0058* 0101 0111 0320* 0737*
ERRORA	A	019	15E4	0893	0821
ERROR2	A	044	1411	0767	0761
ERROR3	A	042	0F8A	0448	0219
ERROR4	A	048	0E8A	0449	0275
ERROR5	A	052	1445	0768	0743
ERROR6	A	032	1604	0894	0839
ERROR7	A	032	1624	0895	0848
ERROR8	A	050	1656	0896	0866
ERROR9	A	042	0E60	0447	0289
EXITER	A	004	15C1	0886	0883
EXITOK	A	004	15C8	0888	0834
EXTSAV	A	002	15D0	0891	0873* 0886 0888
FF5	A	001	0000	0003	
FIVE	A	001	176F	0995	0127
PROBYT	A	006	17C7	1025	1022*
FROM	A	006	17B5	1022	1016*
FRSTPS	A	001	1761	0980	0465* 0949* 0950 0952*
FWDSEK	A	004	1734	0967	0931
FYDISK	A	014	1190	0580	0511
HA	C	001	003F	1046	
HALT	C	001	0222	1063	0163 0221 0254 0277 0291 0380 0393 0403 0437 0490 0503 0522
					0558 0745 0763 0823 0841 0850
HB	C	001	0079	1047	
HC	C	001	006C	1048	
HD	C	001	0073	1049	
HE	C	001	007C	1050	
HF	C	001	003C	1051	
HH	C	001	003B	1052	
HXBYT	A	001	1798	1014	1025* 1027*
HO	C	001	006F	1036	
H1	C	001	0003	1037	

PF53 C E D I S K I N I T I A L I Z E R

CROSS-REFERENCE

SYMBOL	T	LFN	VALUE	DEFN	REFERENCES
H2	C	001	0076	1038	
H3	C	001	0057	1039	
H4	C	001	001B	1040	
H5	C	001	005C	1041	
H6	C	001	007D	1042	
H7	C	001	0007	1043	
H8	C	001	007F	1044	
H9	C	001	005F	1045	
IDRMG	A	049	0B82	0168	0160 039C
IDERR	A	004	0B3E	0157	0084
IDRR	A	004	0DAC	0387	0346
INIT	A	001	0A00	0010	
INITA	A	001	0A0D	0029	0019
INITAA	A	004	0F31	0464	0048 0307
INITAB	A	004	0A15	0050	0166 0223 0279 0293 0747 0765 0871
INITAC	A	004	0A25	0056	0119
INITAD	A	004	0A35	0061	0093
INITAE	A	004	0BBE	0192	0284
INITAF	A	004	0AE7	0133	0102 0112
INITAG	A	004	0AP6	0137	0134
INITAH	A	006	0B8F	0179	0154
INITAI	A	006	0BA5	0184	0229 0248
INITAJ	A	006	0C15	0225	0199 0263 0271
INITAK	A	004	0C80	0259	0201
INITAL	A	004	0C96	0265	0203
INITAM	A	004	0C2A	0230	0227
INITAN	A	004	0BAF	0186	0214
INITAO	A	004	0C01	0216	0206
INITAP	A	004	0C65	0247	0234 0236
INITAQ	A	004	0AC9	0123	0117
INITBA	A	006	0B31	0153	0142
INITBB	A	004	0A8C	0095	0068 0077 0081
INIT13	A	004	0D03	0318	0386
INIT14	A	004	0D13	0323	0355
INIT22	A	004	0D6A	0357	0330 0339 0343
INVREQ	A	004	1555	0845	0815
LASTAD	A	001	1762	0981	0955* 0959 0963 0969 0976*
LDPCR	A	004	16AB	0924	0526* 0529* 0532 0533 0534 0535 0536 0537 0538 0921
LDPDR	A	004	16AF	0925	0532*
LINK	C	001	0216	1059	
LIST	A	001	17P5	1034	0455
LOAD	C	001	022A	1061	0256 0382
LOWER	A	005	14B0	0777	0714 0724 0791
LSTADR	A	002	0F2D	0455	0181
LSTSAV	A	002	0F2B	0454	0182* 0259 0262*
MOD1	A	001	0F6C	0479	0470* 0474*
MOD2	A	002	1220	0585	0475
MOD3	A	002	1222	0586	0471
MOD4	A	001	103B	0545	0472* 0476*
MOD5	A	002	103D	0546	0471* 0475*
MOD6	A	001	1044	0549	0539* 0542*
HSGALL	A	037	121E	0584	0557
HSGCAT	A	027	11CE	0582	0551
HSG7RF	A	032	0F27	0452	0434
HSGWID	A	045	0EE7	0450	0400
HSG01	A	027	1797	1010	0252 0378
MODISK	A	005	10FC	0573	0485 0501
MOSEK	A	004	1747	0972	0960
MOSPND	A	008	1133	0575	0489 0520
MTRDY	C	001	00A0	0985	0940
ONE	A	002	176D	0993	0092 0128 0138 0147 0213 0231 0241 0283 0354 0424 0608 0640
					0755 0856 1015 1020 1027
OTORZ	A	006	17C1	1024	1019*
PRINT	C	001	021A	1060	0157 0216 0249 0272 0286 0375 0387 0397 0431 0477 0482 0496
					0498 0517 0543 0548 0554 0726 0731 0740 0758 0796 0818 0836
					0845 0863

PF53 C E D I - K I N I T I A L I Z E R

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
PROCED	A	004	0A21	0055	0129 0136 0155
PROC1	A	004	0CFP	0317	
PRTR4	A	004	0CB0	0272	0269
RDDFC	A	001	1776	1003	0073 0076 0079 0195 0200 0202 0335 0338 0341 0659 0662 0687
READER	A	004	0CC4	0281	0074 0196 0336
READPT	A	004	0CD5	0286	0282
RESEK	A	004	15A1	0873	0825 0832 0852 0857
RETRY	A	001	0F30	0457	0059* 0083 0092* 0185* 0205 0213* 0281 0283* 0321* 0345 0354*
RLEPCR	A	004	170E	0956	0537*
RMDISK	A	014	1182	0579	0508
RSIO	A	003	1712	0957	0538* 0920* 0923*
RTH02	A	001	0CE9	0302	0031
RUNPRT	A	042	115D	0576	0527* 0530*
SAVIR1	A	002	0B8E	0174	0149* 0150 0243* 0244
SCRCH	A	001	175E	0978	0932 0963* 0964* 0968* 0969* 0975
SECTSW	C	001	020A	1056	0067 0141 0235 0329 0466* 0494 0496 0513 0515
SEEKCK	A	006	1571	0856	0817 0862
SEEKER	A	004	14EC	0807	0065 0190 0327 0653 0670 0695 0826 0933 0853
SEKEXT	A	004	157F	0859	0807* 0827 0834 0854
SEKRTY	A	004	1583	0861	0858
SENSE	A	004	1657	0900	0412 0427 0561 0593 0612 0809 0934
SETA	A	006	0FE6	0526	0514
SETADA	A	006	1715	0959	0951
SETADB	A	006	174E	0975	0965 097C
SETADR	A	004	16E9	0946	0916
SETB	A	006	0FF3	0529	0516
SETBTH	A	006	0FFD	0532	0528
SETDSK	A	004	0F87	0493	0505 0524
SETPIX	A	004	16A3	0922	0918
SETPIT	A	004	0FBA	0510	0497
SETRHV	A	004	0FAD	0507	0495
SETSP1	A	004	0FC4	0513	0509
SETXR2	A	002	1760	0979	0909* 0910 0938
SIO	A	003	16B3	0926	0533* 0911* 0912* 0919* 0922*
SIO1	A	004	0DEF	0419	0426
SIO2	A	006	0DPB	0424	0430
SIO3	A	004	0E08	0427	0423
SMS	A	004	1664	0903	0536* 0902*
SMSXR2	A	002	166C	0905	0900* 0901
SPNDLA	A	001	1764	0988	0526
SPNDLB	A	001	1765	0989	0529
STATUS	A	002	176B	0992	0414 0429 0564 0595 0614 0312 0914 0916 09C3* 0936
STEPCE	A	004	0DC0	0397	0361
STEP1	A	004	0DD4	0411	0369
STEP3	A	004	0DA4	0385	0374
STEP10	A	004	1223	0592	0109
STEP12	A	004	1272	0632	0099 0617
STPPTB	A	003	0B20	0148	0146
STRTIO	A	004	166D	0909	0061 007C 0086 0095 0105 0136 0192 0208 0323 0332 0348 0357 0365 0419 0603 0648 0655 0666 0677 0684 0691 0700 0780 0874 0879
STRMS	A	049	10C3	0571	0480
ST12A	A	004	127E	0635	0641
ST12B	A	006	129E	0643	0639
ST12C	A	006	12AC	0647	0753 0757
ST12CA	A	006	13AB	0749	0663
ST12CB	A	004	13C0	0754	0751
ST12E	A	004	14B1	0779	0637
ST12EX	A	004	1393	0738	0632* 0800
SWITCH	C	001	020A	1057	0123 0139 0233 0540 0552
S10A	A	004	123E	0603	0610
S10B	A	006	124A	0608	0616
S10C	A	004	1257	0612	0507
S10EXT	A	004	126C	0620	0592* 0597 0609
S12D	A	004	1397	0740	0688
TABADR	A	002	14A6	0775	0633

PF53 C E D I S K I N I T I A L I Z E R

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TABL	A	003	14A2	0773	0774 0775
TBLEND	A	002	0B8C	0173	0150
TBLENE	A	002	0E36	0445	0244
TBLREV	A	001	0E2D	0442	0238
TEST	C	001	0212	1058	0493
TIYE	A	004	17E6	1031	1021* 1028
TOBYT	A	006	17DC	1029	1023*
TRACK#	A	001	177C	1009	0153 0179 0312 0563* 0566*
TSTERR	A	003	16E3	0940	0535* 0929 0933
TWO	A	002	0F2F	0456	0262 0270 1017
TYEOT	A	006	17BB	1023	1018*
UNITS	A	010	17F4	1033	1026
UNPACK	C	001	021E	1062	
UPPER	A	005	14AB	0776	0712 0722 0794
WAIT	A	004	16B6	0927	0534*
WORK	A	001	177A	1007	0055* 0116 0118* 0317* 0373 0385* 0991
WRTDFC	A	001	1772	0999	0050* 0051* 0052* 0056* 0057* 0064 0076 0089 0098 0103* 0104* 0108 0133 0135* 0137* 0138* 0145 0147* 0153 0179* 0180* 0184 0189 0198 0207* 0211 0225* 0226 0228* 0230* 0231* 0239 0241* 0247 0260 0311* 0312* 0313* 0318* 0319* 0326 0338 0351 0360 0363* 0364* 0368 0422 0606 0636 0643 0644* 0645* 0647 0652 0664* 0669 0672* 0673* 0674* 0675* 0681 0690* 0694 0696* 0697* 0698* 0699* 0704 0736* 0749* 0750 0752* 0754* 0755* 0756 0779* 0794 0786* 0788 0877 0882 0914 0930* 0931* 0953* 0954* 0955 0962* 0964 0967* 0968 0972* 0975* 0976 0990 0184* 0198 0207 0225 0266* 0267 0643* 0664 0696 0707 0710 0736 0792 0144* 0145 0148 0148* 0149 0239* 0239 0242 0242* 0243 0181* 0182 0183 0259* 0260 0261 0265* 0267 0633* 0634 0635* 0636 0886* 0887 0888* 0889 0901* 0902 0904 0910* 0911 0912 0913 0915 0928 0938* 0940 0941 0947 0395 0405 0870
WRTSAV	A	004	149B	0771	
XR1	C	001	0001	1053	
XR2	C	001	0002	1054	
XX	A	004	0CED	0307	
ZROTO	A	006	17CD	1026	1024*

TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY = 0

PF53 C E D I S K I N I T I A L I Z E R

OBJECT CARD LISTING

THE CHARACTER ' INDICATES A BLANK COLUMN AND THE CHARACTERS D E H INDICATE NUMERIC SHIFT.

CL 1 THROUGH 16	CL 17 THROUGH 32	CL 33 THROUGH 48	CL 49 THROUGH 64	CL 65 THROUGH 80	CL 81 THROUGH 96
T+-Y:"5< " & " B-4	" " H & " D C+X /O@	1| " P*TO E7<@ A)	4| EMP;TOPE7M*-1)	4| " P; 30HC3C /1R	" " " " "BHPP530001
T+-Z5E7. /1LX+D	BB?HEJCOHDGP /1R	" EDP) %BGC<@ (A)	3E7-2-K*9 1) 6@/	C@Y*) |E < HA3<B	GEW4 61UPP530002
T+-D0 " DP*%BGBX8	| " @OE67 /OY5|	E)*BGEW4B J) 20H*	K*T4 E7?2 M-*-1)	4| A*P) *BGEW4A 1)	20H* \$C<PP530003
T+-.,,DSK' A) @-D	_ |E P; ?HABC0 E7,	/OYV+ HBB?H&E34	E6#2 E2< A) >E6@	| A) >E67 " EY/+H	P)|H 09QPP530004
T+-XWD --:-A) 40H*	HHL> E7@+ A) 3E64	8B HHA/ D+D BB?H	EHAHA38<) A) 3 |H	AA-8 E7<P\$) HA 1E	AB98 7J-PP530005
T+-/_C&D.T-><0 D	.D-4 E7<P-|HDN*B	GESG /OH E1TD.-DC	90H*BHD C90H*HD*|	A5) P084CS1*PK@+|	0E<< 39<PP530006
T+->*5_IR1*|T&<	Y4@XN1<PRE<.E1_\$	R1HCW6*XT2) PGE<X	DA MPJ4 /IKJ%.S0	" C " P*1) @+Y P) CH	BC24 *1@PP530007
T+-?P ( |H|H3EBC2U	< /KSE7E@B @00H*	0SE E7. /1LX0H*	0\$E@AE7\$ /03DCE	HW/) 3@YEE|EY?;?H	ADL4 L90PP530008
T+-OK J) 6@YF8|E	< HAG OBE7EHW@B	GEW4 " J) 20H*.'0@	" C3 P\$*BGB:" /OH	E1SY+SD HOH*PHD	HOH* EJQPP530009
T+-1(B/D< /) 4EIZ	8-A) 4@Z H+8 P)<B	GB:M:-A) 4C0 P*1)	_ + -BB?H@HT/ "	2DB|B E8_GE P*0C	2 E@ \$9QPP530010
T+-2HC0 P*1) _4-D	A (D.T-4AB88+(%	ACDQ' "1) 30 D.Z*B	G /YFF1; P0H*BHD C	80H*BH- 5 -@,T D	AE7E = YPP530011
T+-3C>7@AC-D|HO@	?0H*<ELMBC2U*-1K	\$..EDHWOG2 EY+ E@	ZC2" /00N0H*BF%Q	0C,D-1<BG SH-1<B	GB/D 2-EPP530012
T+-3=|E < HAB-@	" C3 P\$*BGB? /OH	E1SY+QH |OH*BHD	|OH*HDEH "" " /O@	1| " P*-0 E7<P-C0	E7E Q2YPP530013
T+-49|EMF;TOPE7M	*-1) 4| " P; 30HC3C	/1R_ " P*%BGE+0	8E HHA/AD| -E) *B	GEW4A J) 60H*<1 4	E7< =0QPP530014
T+-54E7-2-K*9 1)	6@/ C@Y*) |E < H	AF<BGEW4 " J) 20H*	(P @ C3 P\$*BGCJ<	@ AA50H*O\$EHA@E7.	/04 32%PP530015
T+-6?OC_ "E7E@E1)	50H*O\$EDCE7. /07	H|E P; ?HAD@BG /Y	PF1;P0H*BHD C90H*	BH- @ A) :0H* (@B	G /Y * HPP530016
T+-7D1TD.-DC90H*	BHD C90H*<@BG /,	F.E@XYI3 /OHSYI3	/03_ (-.<BGEV*	B+K-PE?HEJL4 DXG	2 E@ LL-PP530017
T+-8V| YK**BGEW4	A 1) 20H*+B @ DXD	P\$-HAI*BGC;" /1R	P TUYE@, D 7@0H*	PPXR C2;--%BG SH	--T0 K,4PP530018
T+-9- AI10H* " D_	HKH/GA-MDCTPE6) X	06HCW2<XL1HCR1*G	D2) PGE<XD E4CP6) \$	G6*GH@+|E6) LI5*G	T1*E OTYPP530019
T+-: \$8@TE@<XDE (X	E0*J 1(\$E8UCN5)<(	1) TU0) (@TE@<X	D@<PX5@PC8@PD1) X	R5_V 2) N 0) |T1) X	N0;< -D@PP530020
T+-@01HCT6*GC4UC	A@>.I1'PH1) PTE4C	P1'J.E+|E6) J.E<P	R6) \$RE (\$CO=LR6*P	DE+\$H2|YE<L02) P	GE<D Q: PP530021

FF53 C E D I S K I N I T I A I I Z E R

OBJECT CARD LISTING

CL 1 THROUGH 16	CL 17 THROUGH 32	CL 33 THROUGH 48	CL 49 THROUGH 64	CL 65 THROUGH 80	CL 81 THROUGH 96
T+-@J\$+\$R2;|E\$<X	D\$< 05(LA5*LE6)X	06MC00@|U6)XE1DC	W2<XL1MCD5%YN14C	AE+PE6*XF:DCD0;|	AE<< 6S-FF530022
T+-'<5_I#0)PD\$(\$	NE+|H1MCC1MCT6*G	C4-.....P'E B CE	HDG\$@ A)/| FBT0	E68' EYC@YDJ|D8	1\$ 0 0L4FF530023
T+-=G J 'DSH@EJ	#@Y**|CD|\$ 0ADC4	K EC08DC? /OH\$E-	E0:C00H*BF-DXD|3	/OH\$EAS&J<@BG SH	-@< 4K4FF530024
T+-"B/OHK+H BB?H	E F3/ - ,2DBG /OH	E 1TU&"HC10H*BHDC	10H*|/30 DGM<CJE	,DQ.2/OY@BAA5C 4	JE1D =-<FF530025
T+-"UC-- ,2DA%	8D HH@/ /OH*BF%Q	7EL+-@%BG SH-@%B	GC8*H AE%E6E@AJE	\$@Y*HB O, A)V|IH	J00- 3-%FF530026
T+/' 8 AEOEEOH AE	4EDOH AE7EDOH AS	UEDOH ARVEDOH A*	IEDOH A*LEDO@A/A	D+E-BB?HEAC0BDDL	/OH)LYFF530027
T+/'A3F0H B-@@B	G /Y |/G++E-BB?H	E E<BG /YFMAH;OH*	BHDC30H*ONOH@21)	@+ -PE"HEAC1XE73	/O 0Z FF530028
T+/'B> CF5_V 0@M	8'XAO'I 2)PI8@X	A4@XZ0;|I5_N,&+	E84CS9%XT0@TE9UC	T5UCS1)|E0=(1<X	S4U 8A*FF530029
T+/'CZ8>LR1%GC1MC	A5*J 1(XI9*N 5)R	.5)P 1<XS4UCS1)|	E0=|E1F_ 1)PT1)V	@-A 1_\$RE (XE5(\$	V0*H 8CDF530030
T+/'DU4@H ,E(\$RE|G	1E<\$06MCF2;-E1(P	CE<LR2;PEE+.E4@P	C8@PDE4CE5;|E6MC	1@UCF5_V 1(XI9*N	@OX #9&FF530031
T+/'E-E|G3E<\$06MC	D6*XV1MC25'A01'X	A5ECW2)|LE(PO9UC	I5*XT2*GL2;XEE<L	I8_I 1(XI9*N 96_	ED 8CYFF530032
T+/'FE&IA SDA SDA	SDA Q< EE+|RO*|	K6*PM5>PA0_|EE<L	I8_.P2;-E1DCD2;.	K&DA E< A9+|I5_N	-Q< 6:@FF530033
T+/'GN2<XSE (-R5%	RO)J 9%XL44CD1;.	T6)\$YE<GL44CP6*P	V2)\$U8_|YE+\$R2;|	T1)N 1<GT0;..E5;.	EE+H 7SDFF530034
T+/'HE9%XT0@/ @-J	2;I 5_N-Q<GL44C	T6*GC4>I 2)PC4=L	D2)PGE<GL2*-N5<P	M84CT6*GC4>I 9%Y	L44 = UFF530035
T+/'I.0%N 2)PI8@X	A4@XZ1*6JE1E4(-	K\$@BGEV*B+K-PE?H	E+L4 DX32 E\$@B/I	10H*0\$EDCZ7. /1I	PC0 E2<FF530036
T+/'HPDXDP\$-HAP*3	GDT* /1RP TUYE6,	DAIH0H*K*TO DXG	/0.....4BA+O(5H	MZT&BE7D5 /)1TE	E7< \$8*FF530037
T+/'A0HDM\$64AE7D	MZ|HAB-@AP7DPS*B	GDX8< 1KSE7H@ J)	3| P) OCEI@P) *B	GEW4 A)20H*M@<B	GEW4 5C8FF530038
T+/'@ SDP) %BGDX	J) 6@YGE< <P)JK	\$CH*0\$E E7. /1L	%C HP)JK-| HP*T_	"E7E@E1)50H*0\$EH	AE7H =S8FF530039
T+/'<70H*L *RGEW4	A J)60H*LV00CE7M	MX@BGEW4 A)20H*	M# 0BE7MHW30AE7H	*-1)4|A*P) *BGEW4	B J* 6JYFF530040
T+/'(2* %BGD37 /1;	REIUMLTS EI,2D U	< *AJWEH?2/OQ<AAJ	NE.C /1;REI4M*3S	EI@2D U<AAJ: E??	2/OQ @0<FF530041
T+/'+_C E#;/K00H*	BP-DVEF, /OH\$EAS4	MV00CE7MHW33"E7?	/0 0H*BF%Q4EDO	-'%BG SH-'%BGB/D	< 1* =9@FF530042
T+/'|Y)JK->H P) |H	EBCD E7L /1H%+8	P) 8 E7<P\$14DE7|	JH%0H*BF%Q%EAP	-'%BG SH-'%BGB/G	N5U M&YFF530043

PF53 C E D I S K I N I T I A L I Z E R

OBJECT CARD LISTING

CL 1 THROUGH 16	CL 17 THROUGH 32	CL 33 THROUGH 48	CL 49 THROUGH 64	CL 65 THROUGH 80	CL 81 THROUGH 96
T+ /&T0) | T1) XN0; |	E8+ | RO* | X8UCL1*\$	T F4CP6) \$G6*GM8+ |	E6) LI5*GT1*LE6) X	06MCW2<XL1MCR1*G	D2) M 3C6FF530044
T+ /J; 14CI1DC05MC	D1*\$E0= | I9*N 8' I	.E (-R5%-R0) J 8@P	R5+ | RO* | K8+-X96_	'9=-X9=) 8>LR1%G	C1M P YFF530045
T+ /KR2; I 1<PP1* |	T2; PE8' XA0' I 9=-	X E4CX9=-X94CS9 (X	F0* | E8<XSE (P09UC	T2<N 0) | T1) XN0; |	E 6LQFF530046
T+ /LH 6H	CEH NY>LP5@PR4'\$	W1) U@ J) 20H*O\$E8H	AE7. /1LA | P*%B	GE9UP*1J+C 8MMJK	0+H *\$-PF530047
T+ /M | EI, 2D Q<AAJ	NEH? /OH E KMM E%B	GI8@4BAOB | N4*B	GEV*B+A P E2H5HT/	E6, 2DD88 J) E@/A	TGH* K2@FF530048
T+ /NH /, FD1PUY X	/OHSY X /10/OH*	M'<BGEP@' "1PJ@YD	8 | @N4*3GEEG /1L	40H*N-@BG /, THAQ	DY | * -3 FF530049
T+ /OE0H*BHDC70H*	N(*BG /, FHAQUY | #	/OHSY | # /10/OH*	M'<BGEP@+ APJ367	/10/OH*N-@BG	*BAH =HOPF530050
T+ /P 4*PBE2G /OH	E1THOND C? | &H E @B	AC+7 /OYJ (-N4<B	GEW4 J) 20H*N%*B	GEW4 A) 20H*N0*B	GE+- J8MFF530051
T+ /P# (&HN4+B; CM	BE) C-/O8 C86) X	06MCW2<XL1MCS1*P	K2) PG1) TQ2) -Y1) P	T8< | H1* | K8 (5N6+S	E2) < K8%FF530052
T+ /Q61MCS1*PK2) P	G2) PT1) XV1) PT2) S	N8 (YE6+LI6*PDS (\$	N8< | E8<LI3 _C5_P	T2) PE5>LSE<PR6) S	P88 4-UFF530053
T+ /R15_N 6*PC0) (	0) PDS+.E1) I, S (-	R5%-R0) J 8@PR5D%	4BAR% (&HOSB-CEW	< P E=BG E (-	PQC 0K4FF530054
T+ /E% /) -H <Q_	% AE5 K0AE6*CC	PQ1) 5?E OHDO:L-	HDGP2D %*BAE4+0-	PD"HGBCYHE, S:BA*	L<EQ 8J FF530055
T+ /SXE6*12A) 2@:	0 EHO_ ,4 < AE><	< A) 5E6<# J) 4 | 6	PP2HAD*BGEV*B+A	PE@ &E_H5 /) -BE	D8H* @Y<FF530056
T+ /*SBC&HE56' 8G	2 88@ A) /18 PQ-H	AE30AE6D# J) 4 | 1@	P) L0 E6H1Z / X@:	C8 P*1) S@YDZ2YE	L+0D 5, YFF530057
T+ /) E76< A) ;E6H	1 A) ;E7 | 2 / Y: J)	4C PP /) 3C0 PP /)	8@Y*G | @) -E6C 0	E7MPP-0 E6HP*@E	G 00QFF530058
T+ /; Q Y.	P* /) : S E	..... <X	N2; | I0) | I: *G12) S	N8 (P09UCC5_LP4@P	T18 OT4FF530059
T+ /-L (--PSLEHE#Y	6B @? (-POCSHE@Q	68A) _ (-P: 80AE@0	... OAE' @ OAE'	... 0 E9- ... S-	P' @ 9CSFF530060
THA-@ A; QE672--Y	PH ... E=, /1-LOH*	IG1@? | 4' -S7= | X	0	.....	....., -FF530061
E***E7*=-DC*PHS	= "7H6P | | C	F% ASC R A	SO Q	21361022701	02670'Y8FF530062

----- LAST PAGE -----