

Disc Boot
1/19/72



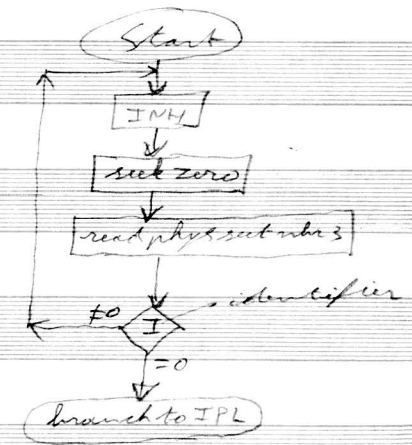
ASG /E0.TY10
ASG /E0.CR05
RDS
ASM /S
DATE / / TIME 00H-34M-09S-

V 12 155
Disc Boot



Address	Hex	Hex	Ident	Code	Address	Description
00000			IDENT	DKBOOT		
00001			S	EQU	1	
00002	0000	20BF	INH	INH		
00003	0002	BBC0		ML	7, IOROUT	TAKE DEVICE ADDRESS
	0004	0000	F → 10032			
00004	0006	273F		ANK	A7, /3F	ADDR OF DISK UNIT
00005	0008	911C		ADR	A1, A7	SET SEEK ZERO
00006	000A	921C		ADR	A2, A7	SET READ SECTOR INSTRUCTION
00007	000C	270F		ANK	A7, /F	
00008	000E	3F42		SLL	A7, 2	
00009	0010	1778		ADK	A7, /78	/78 = /80 = 4 WORDS (of IOROUT)
00010	0012	8B3D		MSR	6, A7	MULTX + I/O ROUTINE SET
00011	0014	0503		LDK	A5, 3 → sub zero	
00012	0016	041A		LDK	A4, /1A	BOOT1
00013			*			
00014	0018	8F1C		ABR	A7 → Add of instructions	SEEK ZERO
00015	001A	050C	BOOT1	LDK	A5, /C	
00016	001C	0420		LDK	A4, /20	BOOT2
00017			*			
00018	001E	8F1C		ABR	A7	READ SECTOR 1
00019	0020	8340	BOOT2	LD	A3, CW2	COMPUTE START ADDRESS
	0022	0000	F → 1003C			
00020			*			
00021	0024	9B20		SUK.L	A3, /198 → A3 = addr of word read	
	0026	0198				identifier of sector containing IPL is = 0
00022			*			
00023	0028	812C		LDR*	A1, A3	
00024	002A	5C2C		RB(4)	INH	SEEK ERROR LOOP
00025	002C	1304		ADK	A3, 4	A3 = START ADDRESS
00026	002E	8F0C		ABR	A3	BRANCH TO IPL
00027	0030	0000		DATA	0	
00028	0032	45C0	IOROUT	CIO	A5, S, 0	TO ROUTINE TO BE TRANSFERRED
00029	0034	40C0		SST	A5, 0	ABOVE MULTIPLEX CONTRL WORDS
00030	0036	5C04		RB(4)	*-2	
00031	0038	8F10		ABR	A4	RETURN TO CALLING PROGRAM
00032	003A	4E66	CW1	DATA	/4E66 → 470	MULTIPLEX CONTRL WORDS
00033	003C	3E00	CW2	DATA	/3E00 → 12F02 → last word address	
00034	003E	0002		DATA	/0002 → 17C00	DEVICE ADDRESS
00035				END	INH	

10032 for PTR Bootstrap





SYMBOL TABLE

S	0001	A	INH	0000	R	IOROUT	0032	R	BOOT1	001A	R
BOOT2	0020	R	CW2	003C	R	CW1	003A	R			

ASS.ERR. 00000