

TSS DEADSTART PRELOADER
STORAGE ALLOCATION.

COMPASS - VER 2.

11/18/71 12.09.33.

PAGE 1

ADDRESS	LENGTH
5	65b
663	(127)

BINARY CONTROL CARDS.

IDENT PRE,5B
END

5

IDENT PRE.5B
PERIPH
NOLABEL
ORG 5

12	TAPECHN	EQU	12R
10	DSPCHN	EQU	10R
10	FILEMARK	EQU	10R
2000	PARITY	EQU	2000B
400	LOSTDTA	EQU	400B
1000	ENDOP	EQU	1000B
7760	DEARST	EQU	7760B

. SAVE DEARSTART PANEL HERE

*
*
*

NOTE THAT THIS CODE IS LOADED INTO HIGH CORE

1 7771
 1 7771
 1 7773
 1 7775
 1 7777
 10000

7112 0015
 0100 0015
 7770
 7770

LOC 7771B
 IAM 15R,TAPECHN
 LJM 15R
 BSSZ 2
 VFD 12/7770B,12/7770B . SET P CTR BY WRAP AROUND

*
*
*
*
*

NOW THE REAL PROGRAM

USE *

16
 24
 24
 25
 26
 27
 30
 33

0100 0100

 0011
 0301

LJM BEGIN . BEGIN EXECUTION
 ORG 20
 X1 BSS 1
 X2 BSS 1
 F1 BSS 1
 F2 BSS 1
 FMARKM DATA 9*6000R*7400B
 DIS .\$CANT FIND \$
 40 NAME EQU *-2

```

100          ORG      100B
100          1414    BEGIN   LDN      14R
101          3424    STD      X1
102          5024 0000    MOVEDDS  LDM      0,X1      . MOVE DEASTART PANEL TO HIGH CORE
104          5424 7760    STM      DEADST,X1
106          3724    SOD      X1
107          0672    PJN      MOVEDDS

*
*      NOW CHECK DUMP CONSIDER BIT
*
110          5000 7760    LDM      DEADST+3  . TAPE CHANNEL CONNECT CODE
112          2200 0400    LPC      400B      . CONSIDER DUMP BIT
114          0503    NJN      **3      . MAY WANT DUMP IF SET
115          0100 0207    LJM      LOADINI   . ELSE LOAD SYSTEM
117          0100 0131    LJM      GO        . GO GET EM, BOYS

*
*      PROGRAM TO HANG PP ON CHAN 0
*
121          0000    PP8HNG0  DATA    0
122          1501    LCN      1
123          7100 0000    IAM      0,0      . HANG ON CHANNEL 0

*
*      REHANG PP IN DSPCHAN
*
125          0000    PP8HNG0  DATA    0
126          1502    LCN      2
127          7110 0000    IAM      0,DSPCHN . HANG ON CHANNEL DSPCHN

*
131          0200 0536    GO      RJM      HANG0      . HANG PP,DSPCHN ON CHANNEL 0
133          2000 0547    BEGIN2  LDC      DUMPMS
135          0200 0460    RJM      FLASH
137          0473    ZJN      BEGIN2 . WAIT FOR RESPONSE

*
140          1716    SBN      1RN
141          0503    NJN      **3
142          0100 0205    LJM      LOADINI1 . RESPONSE = ↑↑, LOAD INI
144          1713    SBN      1RY-1RN
145          0565    NJN      BEGIN2 . NOT ↑↑ EITHER, LOOP

*
146          2000 0575    BEGIN3  LDC      WHCHDMP
150          0200 0460    RJM      FLASH
152          0473    ZJN      BEGIN3 . WAIT FOR NEXT RESPONSE
153          1714    SBN      1RL
154          0503    NJN      **3
155          0100 0215    LJM      LOADNM   . LOAD NAMED PROGRAM ON L
157          1704    SBN      1RP-1RL
160          0503    NJN      **3
161          0100 0175    LJM      LOADPOMP . LOAD PRINTER DUMP PROGRAM
163          1704    SBN      1RT-1RP
164          0561    NJN      BEGIN3

*
165          0200 0520    LOADDUMP RJM      HANG8

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TSS DEADSTART PRELOADER
INITIALIZATION CODE

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167	2000	0172	LDC	DMP	
171	0100	0277	LJM	LOAD	. LOAD TAPE DUMP PROGRAM
173	0415		DMP	VFD	12/2HDM*6/1HP*6/0
174	2000				
			*		
175	0200	0524	LOADP	RJM	HANG8
177	2000	0203	LDC	DMI	
201	0100	0277	LJM	LOAD	. LOAD PRINTER DUMP
203	0415		DMI	VFD	12/2HDM*6/1HI*6/0
204	3400				
			*		
205	0200	0524	LOADINI	RJM	HANG8
207	2000	0212	LOADINI	LDC	INI
211	0100	0277	LJM	LOAD	
			*		
213	1116		INI	VFD	12/2HIN*6/1HI*6/0
214	1100				
			*		
			*		
215	1400		LOADNM	LDN	0
216	3424			STD	X1
217	2000	0424	LOADNM	LDC	LOADM
221	0200	0460	RJM	FLASH	
223	0473		ZJN	LOADNM1	
224	1761		SBN	61R	
225	0503		NJN	**3	
226	0100	0245	LJM	LOADNMRK	. JUMP IF BACKSPACE
230	1601		ADN	1	
231	0503		NJN	**3	
232	0100	0267	LJM	LOADNMR	. JUMP IF CR
234	3927		LDD	F2	. GET CHARACTER
235	5424	0434	STM	LNAME,X1	
237	3624		AOD	X1	
240	1704		SBN	4	. MAX NAME IS 3
241	0755		NJN	LOADNM1	
242	3724		SOD	X1	
243	0100	0217	LJM	LOADNM1	
			*		
245	1400		LOADNMRK	LDN	0
246	3424			STD	X1
247	5400	0434	STM	LNAME	
251	5400	0435	STM	LNAME+1	
253	5400	0436	STM	LNAME+2	
255	0100	0217	LJM	LOADNM1	
			*		
257	5000	0434	LOADNMR	LDM	LNAME
261	1006		SHN	6	
262	5100	0435	ADM	LNAME+1	
264	3440		STD	NAME	
265	5000	0436	LDM	LNAME+2	
267	1006		SHN	6	
270	3441		STD	NAME+1	
271	0200	0524	RJM	HANG8	

TSS DEADSTART PRELOADER
INITIALIZATION CODE

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273 2000 0040
275 0100 0277

LDC NAME
LJM LOAD

• LOAD NAMED PROGRAM

277	3424	LOAD	STD	X1	. SAVE ADDRESS
300	4024		LDI	X1	
301	3440		STD	NAME	
302	5024 0001		LDM	1,X1	
304	3441		STD	NAME+1	. SAVE PPU PROGRAM NAME
		*			
305	0200 0404	LOADLP	RJM	CHECK	. CHECK TAPE STATUS
307	7712 1400		FNC	1400B,TAPECHN	
311	7412		ACN	TAPECHN	
312	1405		LDN	5	
313	7112 0663		IAM	TAPEBUF,TAPECHN	. GET 5 WORDS
315	6512 0366		IJM	SHORT,TAPECHN	. JUMP IF SHORT OR FILEMARK
317	7012		IAN	TAPECHN	. 1ST WORD OF 77 TABLE
320	3240		SRD	NAME	
321	0516		NJN	FAIL	
322	7012		IAN	TAPECHN	
323	3241		SRD	NAME+1	
324	0514		NJN	FAIL1	
325	2000 0111		LDC	80-7	. GOT THE RECORD
327	7112 0663		IAM	TAPEBUF,TAPECHN	
331	2001 0000		LDC	1000B	
333	7112 0000		IAM	0,TAPECHN	. LOAD THIS PPU
335	0100 0335		LJM	*	
		*			
337	7012	FAIL	IAN	TAPECHN	
340	2000 4771	FAIL1	LDC	5000B-7	
342	7112 0663		IAM	TAPEBUF,TAPECHN	
344	0403		ZJN	**3	. LONG RECORD, CONTINUE
		*			
345	0100 0305		LJM	LOADLP	. WAS SHORT, TRY NEXT RECORD
		*			
347	6512 0350	SKIP	IJM	SKIP1,TAPECHN	
351	7512		DCN	TAPECHN	
352	0200 0404	SKIP1	RJM	CHECK	
354	7712 1400		FNC	1400B,TAPECHN	
356	7412		ACN	TAPECHN	
357	2000 5000		LDC	5000B	
361	7112 0663		IAM	TAPEBUF,TAPECHN	
363	0463		ZJN	SKIP	
364	0100 0305		LJM	LOADLP	. TRY AGAIN
		*			
		*			
366	0200 0404	SHORT	RJM	CHECK	
370	2000 0374		LDC	SHORTM	
372	0100 0446		LJM	ERRORM	
		*			
374	0006	SHORTM	DATA	4	
375	2310		DIS	\$.SHORT PRUS	

403	0100 0000		*	LJM	0	
405	7712 1200	404	CHECK	EQJ	*-1	
407	7412			FNC	1300B,TAPECHN	
410	7012			ACN	TAPECHN	
411	7512			IAN	TAPECHN	
412	3424			DCN	TAPECHN	
413	2200 1000			STD	X1	. SAVE STATUS
415	0467			LPC	ENDOP	
416	3024			ZJN	CHECK+1	. WAIT FOR END OF OPERATION
417	2200 0400			LDD	X1	
421	0515			LPC	LOSTDTA	
422	3024			NJN	LOSTE	. JUMP IF LOST DATA
423	2200 2000			LDC	X1	
425	0455			LPC	PARITY	
426	3024			ZJN	CHECK-1	. RETURN IF NO PARITY ERROR
427	2200 0010			LDD	X1	
431	0411			LPC	FILEMARK	
432	2000 0030			ZJN	PARITYE	. JUMP IF PARITY AND NOT FILEMARK
434	0100 0444			LDC	FMARKM	
				LJM	ERRORM	. ISSUE FILE MARK ERROR MESSAGE
			*			
436	2000 0440		LOSTE	LDC	LOSTDTM	
440	0100 0444			LJM	ERRORM	
			*			
442	2000 0651		PARITYE	LDC	PARITYM	
444	0100 0444			LJM	ERRORM	
			*			
			*			
446	5400 0452		ERRORM	STM	ERRORM+1	
			*			
450	0200 0534			RJM	HANG0	. HANG PP8 BACK ON CHAN 0
			*			
452	2000 0000		ERRORM1	LDC	0	
454	0200 0460			RJM	FLASH	
456	0373			UJN	ERRORM1	


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*
457      0100 0000      460  FLASH  LJM      0
      EQU      *-1
461      3426          STD      F1
462      1601          ADN      1
463      5400 0670    STM      FLASHW
465      7710 7000    FNC      7002B,DSPCHN
467      4026          LDI      F1
470      7410          ACN      DSPCHN
471      7310 0000    OAM      0,DSPCHN
      474  FLASHW  EQU      *-1
473      2400          PSN
474      7510          DCN      DSPCHN
475      2400          PSN
476      7710 7020    FNC      7020B,DSPCHN      . FUNCTION FOR INPUT
500      7410          ACN      DSPCHN
501      7010          IAN      DSPCHN
502      7510          DCN      DSPCHN
503      3427          STD      F2      . SAVE CHAN
504      7710 0000    FNC      0,DSPCHN      . DE-SELECT DISPLAY CHANNEL
506      1477          LDN      27R
507      1701          SBN      1
510      0076          PUN      *-1      . WAIT FOR CONTROLLER TO NOTICE
511      6510 0210    IJM      **3,DSPCHN
513      7510          DCN      DSPCHN      . DISCONNECT IF FCN REJECTED
514      2000 1130    LDC      600
516      1701          SBN      1
517      0676          PUN      *-1      . WAIT SO AS NOT TO BURN SCREEN
520      3077          LDD      F2      . RECOVER CHARACTER
521      0100 0457    LJM      FLASH-1      . AND RETURN
*
*
*
*
523      0100 0000      524  HANG8  LJM      0
      EQU      *-1
525      6410 0530    AJM      HANG81,DSPCHN
527      7410          ACN      DSPCHN
530      HANG81  BSS      0
530      1403          LDN      3
531      7300 0125    OAM      PP8HNG8*0      . REHANG ON CHANNEL DSPCHN
533      7500          DCN      0
534      0366          UJN      HANG8_1
*
*
*
535      0100 0000      536  HANG0  LJM      0
      EQU      *-1
537      6400 0540    AJM      HANG01,0
541      7400          ACN      0
542      1403          LDN      3
543      7310 0121    OAM      PP8HNG0,DSPCHN

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TSS DEADSTART PRELOADER
FLASH, WAIT, AND HANG8

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545 7510
546 0366

DCN DSPCHN
UJN HANG0-1

```

*
547      0025      DUMPME$  DATA      21
550      6000      DATA      6000B,7420B
552      0417      DIS        .$DO YOU WANT TO$
562      6000      DATA      6000B,7350B
564      5504      DIS        .$ DUMP ( Y / N )$

*
575      0025      MHCHDME  DATA      21,6000B,7420B
600      2417      DIS        .$TO PRINTER ( P )$
611      6000      DATA      6000B,7350B
613      1722      DIS        .$OR TO TAPE ( T )$

*
624      0013      LOADM    DATA      11,6100B,7420B
627      1417      DIS        .$LOADS
632      6000      DATA      6000B,7350B
634      LNAME    BSSZ      4

*
640      0007      LOSTDTE  DATA      7,6000B,7400B
643      1417      DIS        .$LOST DATAS

*
651      0010      PARITYM  DATA      8,6000B,7400B
654      2001      DIS        .$PARITY ERRORS$

663      TAPEBUF EQU        *
663      END
  
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35166

STORAGE USED
 6600 ASSEMBLY

311 STATEMENTS
 1.690 SECONDS

57 SYMBOLS
 207 REFERENCES

TSS DEADSTART PRELOADER
 SYMBOLIC REFERENCE TABLE.

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SKIPI	352	7/32	7/34 L						
TAPEBUF	663	7/11	7/20	7/27	7/38	11/23 D			
TAPECHN	12	3/31 D	7/09	7/13	7/22	7/32	7/36	8/05	
		3/17	7/11	7/16	7/25	7/33	7/38	8/06	
		7/28	7/12	7/20	7/27	7/35	8/04	8/07	
WHCHDMP	573	4/41	11/08 L						
X1	24	3/25 L	4/05	5/32	5/40	7/04	8/14		
		4/23	4/06	5/33	7/01	8/08	8/17		
		4/24	5/21	5/36	7/02	8/11			
X2	25	3/26 L							

