

>>>>>> ENTRY POINTS & EXTERNALS <<<<<<<<

000000	
3 000000	ENT CLRLEG
4 000000	ENT INIKLB
5 000000	ENT SFKINI
6 000000	ENT TATBL
7 000000	ENT RESFIL
8 000000	ENT RESFL1
9 000000	ENT RM+SET
10 000000	
11 000000	EXT ASCIIS
12 000000	EXT KCLR
13 000000	EXT MYLOP
14 000000	EXT POSLP
15 000000	EXT RESMEM
16 000000	EXT ZROMEM
17 000000	EXT ZROEXM
18 000000	

>>>>>> RESERVE AND FILL EXTENDED MEMORY <<<<<<<<

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000000 *****
20 000000 *
21 000000 * RESERVE AND BLANK EXTENDED MEMORY *
22 000000 *
23 000000 * Entry RESFL1 only blanks amount in R54 *
24 000000 *
25 000000 * in: R54-55 = character count (= #bytes) *
26 000000 *
27 000000 * out: PTR2 = FWA of reserved area *
27 000000 *
27 000000 *****
28 000000
29 000000 316 014 000 RESFIL JSB =RM+SET reserve R54 bytes
30 000003 370 006 JEN OVF jif out of memory
31 000005 165 054 241 RESFL1 LDM R65,R54 copy byte count
32 000010 316 377 377 JSB =ZROEXM blank extended memory
33 000013 236 OVF RTN
34 000014
35 000014 170 006 345 RM+SET PUMD R70,+R6 save R70
36 000017 165 345 PUMD R65,+R6 also R65 (C/P)
37 000021 154 345 PUMD R54,+R6 save count
38 000023 231 BCD
39 000024 205 LLM R54 put count in R55
40 000025 205 LLM R54
41 000026 230 BIN
42 000027 316 377 377 JSB =RESMEM go reserve
43 000032 154 006 343 POMD R54,-R6 restore count
44 000035 165 DRP 65 if exit w/error
45 000036 370 003 JEN RM+SEX jif no room
46 000040 263 314 377 STMD R65,=PTR2 set pointer
47 000043 006 343 RM+SEX POMD R#,-R6 trash one rtn if err
48 000045 170 343 POMD R70,-R6 otherwise restore
49 000047 236 RTN
50 000050
  
```

>>>>> SOFTKEYS INITIALIZATION <<<<<<<<

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000050
53 000050 *****
53 000050 *
54 000050 * THIS ROUTINE USES 30 BYTES OF RAM FOR EACH *
55 000050 * SOFTKEY AND FILLS THEM WITH A TYPING AID *
55 000050 *
56 000050 *****
57 000050
58 000050 LENKLB EQU 36 2+28 bytes for cmd#
59 000050 123 250 003 3FKINI LDB R23,=3 to blank area
60 000053 156 251 244 LDM R56,=244,1 area size
60 000056 001
61 000057 136 251 210 LDM R36,=SKYTXT get begin (3rd byte=0)
61 000062 215
62 000063 034 243 STM R36,R34 save a copy
63 000065 316 377 377 JSB =ZROMEM
64 000070 122 251 310 LDM R22,=EXCEPS other keywords (COLLED)
64 000073 000
64 000074 176 223 CLM R76 clear index
66 000076 130 034 341 TALOP POMD R30,+R34 skip cmd# length
67 000101 241 LDM R30,R34 set destination
68 000102 176 310 003 CMB R76,=3 key# 4?
69 000105 367 044 JZR EROMKY jif yes
70 000107 310 012 CMB R76,=100 key# 11?
71 000111 367 040 JZR EROMKY jif yes
72 000113 126 251 377 LDM R26,=ASCII3 start of ASCII table
72 000116 377
73 000117 136 223 CLM R36
74 000121 076 264 272 LDBD R36,X76,TATBL fetch token
74 000124 000
75 000125 316 377 377 JSB =POSLP get word from ASCII3
76 000130 130 034 305 UPDLEN SBM R30,R34 calc cmd# length
77 000133 211 ICM R30 for appendg blank
78 000134 347 PUMD R30,-R34 push it
79 000135 134 313 036 ADM R34,=36,0 bump ptr by LENKLB
79 000140 000
80 000141 176 210 ICB R76
80 000143 310 016 CMB R76,=140 done?
82 000145 372 327 JNC TALOP jif no
83 000147 316 166 000 JSB =INIKLB initialize LEGCAL
84 000152 236 RTN
85 000153
86 000153 126 022 241 EROMKY LDM R26,R22 end of last keyword
87 000156 316 377 377 JSB =NVLOP copy string
88 000161 126 022 243 STM R26,R22 save end of string
89 000164 360 342 JMP UPDLEN continue
90 000166
91 000166 136 251 005 INIKLB LDM R36,=LEGCAL CALC mode labels FW
91 000171 203
92 000172 316 253 000 JSB =CLRLEG clear legend area
93 000175 DRP !36
94 000175 223 CLM R36 clear counter
  
```

>>>>> SOFTKEYS INITIALIZATION <<<<<<<<

ITEM	LOC	OBJECT CODE	INITIALIZATION	DESCRIPTION
000176	122 251 210	LDM	R22,=3KYTXT	strings to display
05 000201	215			
96 000202	136 210	KLOOP2	ICB R36	next key#
97 000204	076 243	STM	R36,R76	
98 000206	122 030 243	STM	R22,R30	copy start of zone
99 000211	134 341	POMD	R34,+R30	get length of 2nd\$
100 000213	367 024	JZR	KBUMP	jif empty
101 000215	310 013	CMB	R34,=13	more than 10 chars?
102 000217	372 002	JNC	L<11	jif no
103 000221	250 012	LDB	R34,=12	set 10
104 000223	316 377 377	L<11	JSB =KCLR	fill the label
105 000226	132 030 340	KINNLP	POBD R32,+R30	pop next character
106 000231	312 200	ADP	R32,=200	invert field
107 000233	076 344	PUBD	R32,+R76	and push it
108 000235	134 213	DCM	R34	
109 000237	366 365	JNZ	KINNLP	jif some left
110 000241	122 313 036	KBUMP	ADM R22,=36,0	advance to next keytbl
110 000244	000			
111 000245	136 310 016	CMB	R36,=140	done with 14 fields
000250	372 330	JNC	KLOOP2	jif no
113 000252	236	RTN		
114 000253				
115 000253	230	CLRLEG	BIN	
116 000254		DRP	136	
117 000254	024 243	STM	R36,R24	save a copy
118 000256	156 251 240	LDM	R56,=240,0	legend length (2*80)
119 000261	000			
120 000262	123 250 003	LDB	R23,=3	so we blank
120 000265	316 377 377	JSB	=ZROMEM	
121 000270	136	DRP	36	
122 000271	236	RTN		
123 000272				
124 000272				
125 000272				
126 000272	040	TATBL	OCT 40	Key 1: AUTO
127 000273	061	OCT	61	Key 2: DISP
128 000274	106	OCT	106	Key 3: PRINT
129 000275	046	OCT	46	Key 4: LIST
130 000276	134	OCT	134	Key 5: DELETE
131 000277	163	OCT	163	Key 6: LOAD
132 000300	121	OCT	121	Key 7: STORE
133 000301	123	OCT	123	Key 8: TRACE VAR
134 000302	056	OCT	56	Key 9: CRT IS
135 000303	105	OCT	105	Key 10: PRINTER IS
136 000304	130	OCT	130	Key 11: NORMAL
137 000305	063	OCT	63	Key 12: SCRATCH
138 000306	161	OCT	161	Key 13: LOADBIN
139 000307	112	OCT	112	Key 14: STOREBIN
140 000310				
141 000310				
141 000310				
142 000310				
143 000310				

\*\*\*\*\*  
 \*  
 \* Following two labels are a special case since  
 \* they require two tokens to decompile  
 \*



ASCIIS	177777	EXT	1		
DI LEG	000253	ENT	2		
KEY	000153	LCL	2		
EXCEPS	000310	LCL	1		
INIKLB	000156	ENT	2		
KBUMP	000241	LCL	1		
KCLR	177777	EXT	1		
KINNLP	000226	LCL	1		
KLOOP2	000202	LCL	1		
LK11	000223	LCL	1		
LEGCAL	101405	G DAD	1		
LENKLB	000036	EQU	0	<--- NOT REFERENCED??	
MYL0P	177777	EXT	1		
OVF	000013	LCL	1		
POSLP	177777	EXT	1		
PTR2	177714	G DAD	1		
RESFIL	000000	ENT	1		
RESFL1	000005	ENT	1		
RESMEM	177777	EXT	1		
RM+SET	000014	ENT	2		
RM+SEX	000043	LCL	1		
RF NI	000050	ENT	1		
SKYTXT	106610	G DAD	2		
TALOP	000076	LCL	1		
TATBL	000272	ENT	2		
UPDLEN	000130	LCL	1		
ZROEXM	177777	EXT	1		
ZROMEM	177777	EXT	2		

)

ENTRY POINTS & EXTERNALS . . . . .	1
RESERVE AND FILL EXTENDED MEMORY . . . . .	2
SOFTKEYS INITIALIZATION . . . . .	3

BRNMRX HAD 0 ERRORS 0 WARNINGS 28 LABELS LAST ERROR AT 0