


```

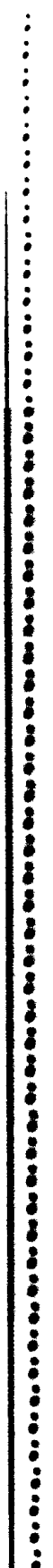
PPPPPPPP      AAAAAA      SSSSSSSS  UU      UU  NN      NN  LL      000000      CCCCCCCC  KK      KK
PPPPPPPP      AAAAAA      SSSSSSSS  UU      UU  NN      NN  LL      000000      CCCCCCCC  KK      KK
PP      PP    AA      AA  SS      UU      UU  NN      NN  LL      00      00  CC      KK      KK
PP      PP    AA      AA  SS      UU      UU  NN      NN  LL      00      00  CC      KK      KK
PP      PP    AA      AA  SS      UU      UU  NNNN     NN  LL      00      00  CC      KK      KK
PP      PP    AA      AA  SS      UU      UU  NNNN     NN  LL      00      00  CC      KK      KK
PPPPPPPP      AA      AA  SSSSSS  UU      UU  NN      NN  LL      00      00  CC      KKKKKK
PPPPPPPP      AA      AA  SSSSSS  UU      UU  NN      NN  LL      00      00  CC      KKKKKK
PP      AAAAAAAAAA      SS      UU      UU  NN      NN  LL      00      00  CC      KK      KK
PP      AAAAAAAAAA      SS      UU      UU  NN      NN  LL      00      00  CC      KK      KK
PP      AA      AA  SS      UU      UU  NN      NN  LL      00      00  CC      KK      KK
PP      AA      AA  SS      UU      UU  NN      NN  LL      00      00  CC      KK      KK
PP      AA      AA  SSSSSSSS  UUUUUUUUUU  NN      NN  LLLLLLLLLL  000000  CCCCCCCC  KK      KK
PP      AA      AA  SSSSSSSS  UUUUUUUUUU  NN      NN  LLLLLLLLLL  000000  CCCCCCCC  KK      KK

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLLLL  IIIIII      SSSSSSSS

```



```

1 0001 0 MODULE PASSUNLOCK ( %TITLE 'UNLOCK procedure'
2 0002 0 IDENT = '1-001' ! File: PASUNLOCK.B32 Edit: SBL1001
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1 ++
30 0030 1
31 0031 1 FACILITY: Pascal Language Support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains PASSUNLOCK, which implements the
36 0036 1 VAX-11 Pascal UNLOCK procedure.
37 0037 1
38 0038 1 ENVIRONMENT: User mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: Steven B. Lionel, CREATION DATE: 29-January-1982
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. SBL 29-January-1982
45 0045 1 --
46 0046 1

```

```
.. 48      0047 1 %SBTTL 'Declarations'  
.. 49      0048 1  
.. 50      0049 1 : PROLOGUE DEFINITIONS:  
.. 51      0050 1 :  
.. 52      0051 1 :  
.. 53      0052 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, Linkages, PSECTs, structures  
.. 54      0116 1  
.. 55      0117 1 :  
.. 56      0118 1 : TABLE OF CONTENTS:  
.. 57      0119 1 :  
.. 58      0120 1  
.. 59      0121 1 FORWARD ROUTINE  
.. 60      0122 1   PASSUNLOCK: NOVALUE;           ! Do a UNLOCK  
.. 61      0123 1  
.. 62      0124 1 :  
.. 63      0125 1 : MACROS:  
.. 64      0126 1 :  
.. 65      0127 1 :   NONE  
.. 66      0128 1 :  
.. 67      0129 1 : EQUATED SYMBOLS:  
.. 68      0130 1 :  
.. 69      0131 1 :   NONE  
.. 70      0132 1 :  
.. 71      0133 1 : FIELDS:  
.. 72      0134 1 :  
.. 73      0135 1 :   NONE  
.. 74      0136 1 :  
.. 75      0137 1 : OWN STORAGE:  
.. 76      0138 1 :  
.. 77      0139 1 :   NONE
```

```

79 0140 1 %SBTTL 'PASSUNLOCK - UNLOCK procedure'
80 0141 1 GLOBAL ROUTINE PASSUNLOCK (
81 0142 1 PFV: REF $PASSPFV_FILE_VARIABLE, . File variable
82 0143 1 ERROR . Unwind address if error
83 0144 1 ): NOVALUE =
84 0145 1
85 0146 1 !++
86 0147 1 ! FUNCTIONAL DESCRIPTION:
87 0148 1
88 0149 1 PASSUNLOCK implements the VAX-11 Pascal UNLOCK procedure. It
89 0150 1 unlocks the current file component.
90 0151 1
91 0152 1 ! CALLING SEQUENCE:
92 0153 1
93 0154 1 CALL PASSUNLOCK (PFV.mr.r [, ERROR.j.r])
94 0155 1
95 0156 1 ! FORMAL PARAMETERS:
96 0157 1
97 0158 1 PFV - The Pascal File Variable (PFV) passed by reference.
98 0159 1 The structure of the PFV is defined in PASPFV.REQ.
99 0160 1
100 0161 1 ERROR - Optional. If specified, the address to unwind to
101 0162 1 if an error occurs.
102 0163 1
103 0164 1 ! IMPLICIT INPUTS:
104 0165 1
105 0166 1 NONE
106 0167 1
107 0168 1 ! IMPLICIT OUTPUTS:
108 0169 1
109 0170 1 NONE
110 0171 1
111 0172 1 ! ROUTINE VALUE:
112 0173 1
113 0174 1 NONE
114 0175 1
115 0176 1 ! SIDE EFFECTS:
116 0177 1
117 0178 1 NONE
118 0179 1
119 0180 1 ! SIGNALLED ERRORS:
120 0181 1
121 0182 1 FILNOTOPE - File not open
122 0183 1 FILNOTINS - File is not in Inspection mode
123 0184 1 ERRDURTRU - Error during UNLOCK
124 0185 1
125 0186 1
126 0187 1 ! --
127 0188 1
128 0189 2 BEGIN
129 0190 2
130 0191 2 LOCAL
131 0192 2 FCB: REF $PASSFCB_CONTROL_BLOCK, ! File Control Block
132 0193 2 PFV_ADDR: VOLATILE, ! Enable argument
133 0194 2 UNWIND_ACT: VOLATILE, ! Enable argument
134 0195 2 ERROR_ADDR: VOLATILE; ! Enable argument
135 0196 2

```

```

136 0197 2 BIND
137 C198 RAB = FCB: REF BLOCK [, BYTE]; ! RMS RAB
138 C199
139 200 BUILTIN
140 J201 ACTUALCOUNT;
141 0202
142 0203 ENABLE
143 0204 PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);
144 0205
145 0206 IF ACTUALCOUNT () GEQU 2
146 0207 THEN
147 0208 ERROR_ADDR = .ERROR; ! Set unwind address
148 0209
149 0210 !+
150 0211 ! Set PFV address enable argument.
151 0212 !-
152 0213
153 0214 PFV_ADDR = PFV [PFV$R_PFV];
154 0215
155 0216 !+
156 0217 ! Validate and lock PFV
157 0218 !-
158 0219
159 0220 PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
160 0221
161 0222 !+
162 0223 ! Set unwind action to unlock file.
163 0224 !-
164 0225
165 0226 UNWIND_ACT = PASS$K_UNWIND_UNLOCK;
166 0227
167 0228 !+
168 0229 ! Open file if it should be implicitly opened.
169 0230 !-
170 0231
171 0232 IF NOT .PFV [PFV$V_VALID]
172 0233 THEN
173 0234 PASS$OPEN_IMPLICIT (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
174 0235
175 0236 !+
176 0237 ! Verify that the file is open.
177 0238 !-
178 0239
179 0240 IF NOT .PFV [PFV$V_OPEN]
180 0241 THEN
181 0242 $PASS$IO_ERROR (PASS$_FILNOTOPE,0);
182 0243
183 0244 !+
184 0245 ! Verify that the file is in Inspection mode.
185 0246 !-
186 0247
187 0248 IF NOT .FCB [FCB$V_INSPECTION]
188 0249 THEN
189 0250 $PASS$IO_ERROR (PASS$_FILNOTINS,0);
190 0251
191 0252 !+
192 0253 ! Do the $RELEASE to unlock the current component.

```

```

193 0254 2      !-
194 0255 2
195 0256 2      IF NOT $PASSRMS_OP ($RELEASE (RAB=.RAB))
196 0257 2      THEN
197 0258 2          BEGIN
198 0259 2              +
199 0260 2              $RELEASE failed. Determine if the error was 'record not locked'.
200 0261 2              If so, ignore the error.
201 0262 2              -
202 0263 2
203 0264 2          IF .RAB [RAB$L_STS] NEQU RMS$_RNL
204 0265 2          THEN
205 0266 2              $PASSIO_ERROR (PASS_ERRDURUNL);      ! Error during UNLOCK
206 0267 2          END;
207 0268 2
208 0269 2      +
209 0270 2      Cancel previous LOCATE
210 0271 2      Indicate successful operation
211 0272 2      Unlock the file
212 0273 2      -
213 0274 2
214 0275 2      FCB [FCB$L_STATUS] = 0;
215 0276 2      FCB [FCB$V_LOCATE] = 0;
216 0277 2      PFV [PFV$V_LOCK] = 0;
217 0278 2
218 0279 2      RETURN;
219 0280 2
220 0281 1      END;

```

! End of routine PASSUNLOCK

```

.TITLE PASSUNLOCK UNLOCK procedure
.IDENT \1-001\

.EXTRN PASSUNLOCK, PASS$IO_HANDLER
.EXTRN PASS$VALIDATE_PFV
.EXTRN PASS$OPEN_IMPLICIT
.EXTRN PASS$SIGNAL, PASSK_FILNOTOPE
.EXTRN PASSK_FILNOTINS
.EXTRN SYSS$RELEASE, PASSK_ERRDURUNL

.PSECT _PASSCODE, NOWRT, SHR, PIC, 2

```

```

.ENTRY PASSUNLOCK, Save R2,R3,R6,R7      ; 0141
53 00000000G 00 9E 00002 MOVAB PASS$SIGNAL, R3
5E          08 C2 00009 SUBL2 #8, SP
          7E D4 0000C CLRRL ERROR_ADDR      ; 0189
          04 AE 7C 0000E CLRQ UNWIND_ACT
6D 007D CF DE 00011 MOVAL 8$, (FP)
02          6C 91 00016 CMPB (AP), #2      ; 0206
          04 1F 00019 BLSSU 1$
6E 08 AC D0 0001B MOVL ERROR, ERROR_ADDR      ; 0208
56 04 AC D0 0001F 1$: MOVL PFV, R6      ; 0214
08 AE 56 D0 00023 MOVL R6, PFV_ADDR
04 AE 00000000G 00 16 00027 JSB PASS$VALIDATE_PFV      ; 0220
          01 D0 0002D MOVL #1, UNWIND_ACT      ; 0226
          06 A6 E8 00031 BLBS 6(R6), 2$      ; 0232
          00 16 00035 JSB PASS$OPEN_IMPLICIT      ; 0234

```

08	07	A6		05	E0	0003B	2\$:	BBS	#5, 7(R6), 3\$:	0240
		7E		7E	D4	00040		CLRL	-(SP)	:	0242
			00G	8F	9A	00042		MOVZBL	#PASSK_FILNOTOPE, -(SP)	:	
				0B	11	00046		BRB	4\$:	
0A	FD	A7		03	E0	00048	3\$:	BBS	#3, -3(FCB), 5\$:	0248
		7E		7E	D4	0004D		CLRL	-(SP)	:	0250
			00G	8F	9A	0004F		MOVZBL	#PASSK_FILNOTINS, -(SP)	:	
		63		02	FB	00053	4\$:	CALLS	#2, PASS\$\$SIGNAL	:	
					04	00056		RET		:	
				57	DD	00057	5\$:	PUSHL	FCB	:	0256
00000000G	00			01	FB	00059		CALLS	#1, SYSS\$RELEASE	:	
	22			50	E8	00060		BLBS	\$\$STATUS, 7\$:	
0001825A	8F			50	D1	00063		CMPL	\$\$STATUS, #98906	:	
				04	12	0006A		BNEQ	6\$:	
	E7		FF	A7	E8	0006C		BLBS	-1(FCB), 5\$:	
	12			50	E8	00070	6\$:	BLBS	\$\$STATUS, 7\$:	
000181A0	8F		08	A7	D1	00073		CMPL	8(FCB), #98720	:	0264
				08	13	0007B		BEQL	7\$:	
	7E		00G	8F	9A	0007D		MOVZBL	#PASSK_ERRDURUNL, -(SP)	:	0266
	63			01	FB	00081		CALLS	#1, PASS\$\$SIGNAL	:	
					04	00084		RET		:	
			D4	A7	D4	00085	7\$:	CLRL	-44(FCB)	:	0275
	FE	A7		01	8A	00088		BICB2	#1, -2(FCB)	:	0276
	07	A6		80	8F	0008C		BICB2	#128, 7(R6)	:	0277
					04	00091		RET		:	0281
				0000	00092	8\$:	.WORD	Save nothing	:	0189	
		50	08	AC	D0	00094		MOVL	8(AP), R0	:	
		50	04	A0	D0	00098		MOVL	4(R0), R0	:	
			F4	A0	9F	0009C		PUSHAB	ERRQR_ADDR	:	
			F8	A0	9F	0009F		PUSHAB	UNWIND_ACT	:	
			FC	A0	9F	000A2		PUSHAB	PFV_ADDR	:	
				03	DD	000A5		PUSHL	#3	:	
				5E	DD	000A7		PUSHL	SP	:	
	7E		04	AC	7D	000A9		MOVQ	4(AP), -(SP)	:	
00000000G	00			03	FB	000AD		CALLS	#3, PASS\$\$IO_HANDLER	:	
				04	000B4			RET		:	

: Routine Size: 181 bytes, Routine Base: _PASSCODE + 0000

: 221 0282 1
: 222 0283 1 !<BLF/PAGE>

PASSUNLOCK
1-001

UNLOCK procedure
PASSUNLOCK - UNLOCK procedure

K 7
16-Sep-1984 02:11:26
14-Sep-1984 12:51:58

VAX-11 Bliss-32 V4.0-742
[PASRTL.SRC]PASUNLOCK.B32;1

Page 7
(4)

: 224 0284 1 END
: 225 0285 1
: 226 0286 0 ELUDOM

! End of module PASSUNLOCK

PSECT SUMMARY

Name	Bytes	Attributes
_PASSCODE	181	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	7	0	581	00:01.0
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	93	21	33	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:PASUNLOCK/OBJ=OBJ\$:PASUNLOCK MSRC\$:PASUNLOCK/UPDATE=(ENH\$:PASUNLOCK)

: Size: 181 code + 0 data bytes
: Run Time: 00:05.8
: Elapsed Time: 00:22.4
: Lines/CPU Min: 2953
: Lexemes/CPU-Min: 13838
: Memory Used: 87 pages
: Compilation Complete

PASREWRIT LIS
PASIGNAL LIS
PASSOR LIS

PASTRUNC LIS

PASUNLOCK LIS

PASWRIBOO LIS

PASVECTOR LIS

PASWRIBTN LIS

PASUNDEF1 LIS

PASVALIDA LIS

PASWRITEX LIS

PASVM LIS

PASWRIFI LIS

PASTIME LIS

PASWRIFI1 LIS

PASUPDATE LIS

PASWRIFENU LIS

PASSTATUS LIS

PASUFB LIS

PASWRITCHA LIS