



```

LL      IIIIII  BBBB BBBB  RRRRRRR  EEEEEEEEE  VV      VV  EEEEEEEEE  RRRRRRR  TTTTTTTTT
LL      IIIIII  BBBB BBBB  RRRRRRR  EEEEEEEEE  VV      VV  EEEEEEEEE  RRRRRRR  TTTTTTTTT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LL      II      BB      BB  RR      RR  EE      EE  RR      RR  TT      TT
LLLLLLLL  IIIIII  BBBB BBBB  RR      RR  EEEEEEEEE  VV      VV  EEEEEEEEE  RR      RR  TT      TT
LLLLLLLL  IIIIII  BBBB BBBB  RR      RR  EEEEEEEEE  VV      VV  EEEEEEEEE  RR      RR  TT      TT

```

```

LL      IIIIII  SSSSSSS  SS
LL      IIIIII  SSSSSSS  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
LLLLLLLL  IIIIII  SSSSSSS
LLLLLLLL  IIIIII  SSSSSSS

```



```

1 0001 0 MODULE LIB$REVERT (%TITLE'Revert handler'
2 0002 0 IDENT = '1-002' ! File: LIBREVERT.B32 Edit: SBL1002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: Utility Library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 LIB$REVERT deletes the handler associated with
37 0037 1 the procedure activation of the caller. This is done
38 0038 1 by clearing the handler address in the stack frame
39 0039 1 of the caller. The handler address which had been
40 0040 1 associated with the caller is returned as the value.
41 0041 1
42 0042 1 ENVIRONMENT: User mode, re-entrant, AST level or not or mixed.
43 0043 1
44 0044 1 AUTHOR: Thomas N. Hastings CREATION DATE: 8-Oct-77
45 0045 1
46 0046 1 MODIFIED BY:
47 0047 1
48 0048 1 Thomas N. Hastings, 8-Oct-77: VERSION 0
49 0049 1 01 - original
50 0050 1 0-2 - Added SFS symbols. TNH 8-Oct-77
51 0051 1 0-3 - Declare PSECTs. TNH 19-Dec-77.
52 0052 1 0-04 - Change to STARLET library. DGP 20-Apr-78
53 0053 1 0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78
54 0054 1 0-06 - Change STARLET to RTLSTARLE to avoid conflicts. DGP 1-May-78
55 0055 1 0-07 - Change file name to LIBREVERT.B32, and change the name of
56 0056 1 the REQUIRE file similarly. JBS 14-NOV-78
57 0057 1 1-001 - Update version number and copyright notice. JBS 16-NOV-78

```

LIB\$REVERT  
1-002

Revert handler

C 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

Page 2  
(1)

: 58  
: 59

0058 1 : 1-002 - Use prologue file. SBL 24-June-1983  
0059 1 :--

LIF  
1-(

:

.....

.....

.....

.....

```
61 0060 1 :  
62 0061 1 : PROLOGUE FILE:  
63 0062 1 :  
64 0063 1 :  
65 0064 1 REQUIRE 'RTLIN:LIBPROLOG';           ! LIB$ definitions  
66 0135 1 :  
67 0136 1 :  
68 0137 1 : TABLE OF CONTENTS:  
69 0138 1 :  
70 0139 1 :  
71 0140 1 FORWARD ROUTINE  
72 0141 1 :  
73 0142 1 LIB$REVERT;                           ! Revert error handler  
74 0143 1 :  
75 0144 1 :  
76 0145 1 : MACROS:  
77 0146 1 :  
78 0147 1 :  
79 0148 1 :  
80 0149 1 : EQUATED SYMBOLS:  
81 0150 1 :  
82 0151 1 :  
83 0152 1 :  
84 0153 1 : OWN STORAGE:  
85 0154 1 :  
86 0155 1 :  
87 0156 1 :  
88 0157 1 : EXTERNAL REFERENCES:  
89 0158 1 :  
90 0159 1 :
```

```
92 0160 1 GLOBAL ROUTINE LIB$REVERT
93 0161 1 = ! Value is old handler
94 0162 1
95 0163 1 !++
96 0164 1 FUNCTIONAL DESCRIPTION:
97 0165 1
98 0166 1 LIB$REVERT deletes the handler associated with
99 0167 1 the procedure activation of the caller. This is done
100 0168 1 by clearing the handler address in the stack frame
101 0169 1 of the caller. The handler address which had been
102 0170 1 associated with the caller is returned as the value.
103 0171 1
104 0172 1 FORMAL PARAMETERS:
105 0173 1
106 0174 1 None
107 0175 1
108 0176 1 IMPLICIT INPUTS:
109 0177 1
110 0178 1 NONE
111 0179 1
112 0180 1 IMPLICIT OUTPUTS:
113 0181 1
114 0182 1 NONE
115 0183 1
116 0184 1 ROUTINE VALUE:
117 0185 1
118 0186 1 OLD_HANDLER.wa.v previous contents of SF$A_HANDLER
119 0187 1 of the callers frame.
120 0188 1
121 0189 1 COMPLETION CODES:
122 0190 1
123 0191 1 NONE
124 0192 1
125 0193 1 SIDE EFFECTS:
126 0194 1
127 0195 1 The callers stack frame will be modified.
128 0196 1
129 0197 1 --
130 0198 1
131 0199 2 BEGIN
132 0200 2
133 0201 2 LOCAL
134 0202 2 OLD_HANDLER; ! store the old handler address
135 0203 2 BUILTIN
136 0204 2 FP;
137 0205 2 MAP
138 0206 2 FP: REF BLOCK[BYTE];
139 0207 2 OLD_HANDLER = ..FP[SF$SL_SAVE_FP];
140 0208 2 .FP[SF$SL_SAVE_FP] = 0;
141 0209 2 RETURN .OLD_HANDLER;
142 0210 1 END; !End of LIB$REVERT
```

```
.TITLE LIB$REVERT Revert handler
.IDENT \1-002\
```

LIB\$REVERT  
1-002

Revert handler

F 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

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(3)

LIE  
1-(

50           OC   BE   0000 00000  
             OC   BE   D0 00002  
             OC   BE   D4 00006  
                  04 00009

.PSECT   \_LIB\$CODE,NOWRT,   SHR,   PIC,2  
.ENTRY   LIB\$REVERT, Save nothing  
MOVL     @12(FP), OLD\_HANDLER  
CLRL     @12(FP)  
RET

: 0160  
: 0207  
: 0208  
: 0210

: Routine Size: 10 bytes,   Routine Base:   \_LIB\$CODE + 0000

LIB\$REVERT  
1-002

Revert handler

G 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

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(4)

: 144  
: 145  
0211 1 END  
0212 0 ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
_LIB\$CODE	10	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	1	0	581	00:00.8
_\$255\$DUA28:[LIBRTL.OBJ]RTLILIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

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

: Size: 10 code + 0 data bytes  
: Run Time: 00:02.1  
: Elapsed Time: 00:12.4  
: Lines/CPU Min: 6000  
: Lexemes/CPU-Min: 8405  
: Memory Used: 28 pages  
: Compilation Complete



0209 AH-BT13A-SE  
VAX/VMS V4.0

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