





```

1 0001 0 MODULE LIB$REVERT (%TITLE'Revert handler'
2 0002 0 IDENT = '1-002' ! File: LIBREVERT.B32 Edit: SBL1002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: Utility Library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 LIB$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 SF$ 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

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[LIBRTL.SRC]LIBREVERT.B32;1

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: 58  
: 59

0058 1 ! 1-002 - Use prologue file. SBL 24-June-1983  
0059 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$A_HANDLER
119     0187 1     of the callers frame.
120     0188 1
121     0189 1 COMPLETION CODES:
122     0190 1
123     0191 1     NONE
124     0192 1
125     0193 1 SIDE EFFECTS:
126     0194 1
127     0195 1     The callers stack frame will be modified.
128     0196 1
129     0197 1 --
130     0198 1
131     0199 1 BEGIN
132     0200 1
133     0201 1 LOCAL
134     0202 1     OLD_HANDLER;           ! store the old handler address
135     0203 1 BUILTIN
136     0204 1     FP;
137     0205 1 MAP
138     0206 1     FP: REF BLOCK[BYTE];
139     0207 1     OLD_HANDLER = ..FP[SF$SL_SAVE_FP];
140     0208 1     .FP[SF$SL_SAVE_FP] = 0;
141     0209 1 RETURN .OLD_HANDLER;
142     0210 1 END;                       !End of LIB$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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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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: 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



