



```
TTTTTTTTT1  BBBB BBBB  KK    KK  SSSSSSSS  TTTTTTTTTT  000000
TTTTTTTTTT  BBBB BBBB  KK    KK  SSSSSSSS  TTTTTTTTTT  000000
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BBBB BBBB  KKKKKK  SSSSSS  TT          00    00
TT          BBBB BBBB  KKKKKK  SSSSSS  TT          00    00
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BB    BB  KK    KK  SS        TT          00    00
TT          BBBB BBBB  KK    KK  SSSSSSSS  TT          00    00
TT          BBBB BBBB  KK    KK  SSSSSSSS  TT          00    00
```

```
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          IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

```

1 0001 0 MODULE TBKSTO ( IDENT = 'V04-000' ) =
2 0002 1 BEGIN
3 0003 1
4 0004 1 *****
5 0005 1 *
6 0006 1 *   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
7 0007 1 *   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
8 0008 1 *   ALL RIGHTS RESERVED.
9 0009 1 *
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22 0022 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
23 0023 1 *
24 0024 1 *
25 0025 1 *****
26 0026 1
27 0027 1 FACILITY:
28 0028 1   TRACEBACK
29 0029 1
30 0030 1 ++
31 0031 1 Abstract:
32 0032 1   Declares global variables for DEBUG facility
33 0033 1
34 0034 1 Version:      09
35 0035 1
36 0036 1 History:
37 0037 1   Author:
38 0038 1     Carol Peters, 11 January 1978 : Version 01
39 0039 1
40 0040 1   Modified by:
41 0041 1     Dale Roedger, 15 June 1978: Version 08
42 0042 1
43 0043 1 Revision history:
44 0044 1
45 0045 1   02      19-jan-78      KGP      -Add variables TBK$... for
46 0046 1   03      28-feb-78      KGP      -Communication variables for the
47 0047 1   04      1-mar-78       KGP      -All non-diagnostic output now gets
48 0048 1   05      2-mar-78       KGP      -We now have another RAB for
49 0049 1   06      15-jun-78      KGP      -Beginning exception type for
50 0050 1   07      15-jun-78      KGP      -We now have another RAB for
51 0051 1   08      15-jun-78      KGP      -We now have another RAB for
52 0052 1   09      15-jun-78      KGP      -We now have another RAB for
53 0053 1   10      15-jun-78      KGP      -We now have another RAB for
54 0054 1   11      15-jun-78      KGP      -We now have another RAB for
55 0055 1   12      15-jun-78      KGP      -We now have another RAB for
56 0056 1   13      15-jun-78      KGP      -We now have another RAB for
57 0057 1   14      15-jun-78      KGP      -We now have another RAB for

```

TBKSTO
V04-000

M 4
16-Sep-1984 02:17:27 VAX-11 Bliss-32 V4.0-742 Page 2
14-Sep-1984 13:20:25 DISK\$VMSMASTER:[TRACE.SRC]TBKSTO.B32;1 (1)

:	58	0058	1	:	06	8-mar-78	KGP
:	59	0059	1	:			
:	60	0060	1	:	07	26-APR-78	DAR
:	61	0061	1	:			
:	62	0062	1	:	08	15-JUN-78	DAR
:	63	0063	1	:	09	3-Nov-79	JBD
:	64	0064	1	:		15-Aug-83	PS
:	65	0065	1	:			
:	66	0066	1	:--			

-New require file names since now
DEBUG is separate from TRACE.
Modified require and library directives
for native build.
Changed all DBG\$ symbols to TBK\$.
Added support for statement numbers.
Did general clean up to use updated
files from DEBUG.

TB
VO

```

68 0067 1 | Include files:
69 0068 1 |
70 0069 1 | REQUIRE 'SRC$:TBKPROLOG.REQ';
71 0341 1 |
72 0342 1 |
73 0343 1 |
74 0344 1 | Global variables:
75 0345 1 |
76 0346 1 | GLOBAL LITERAL
77 0347 1 |
78 0348 1 |         ! The base of RST storage. Some of the RST
79 0349 1 |         ! data structures base 'pointers' off this.
80 0350 1 |         tbk$_rst_begin = %X'7FFF0000';
81 0351 1 | GLOBAL
82 0352 1 |         TBK$GL_EXC_TYPE,         ! Initial FAULT/TRAP type for PC correlation.
83 0353 1 |
84 0354 1 |         ! All non-diagnostic output goes thru
85 0355 1 |         ! this buffer.
86 0356 1 |         tbk$output_buf : vector[ tty_out_width, byte ],
87 0357 1 |         tbk$cp_out_str : ref VECTOR[, BYTE],         ! POINTS INTO CURRENT OUTPUT BUFFER.
88 0358 1 |         tbk$gl_buf_siz,         ! holds current character count in output buffer
89 0359 1 |
90 0360 1 |         !++
91 0361 1 |         ! Pointers to the TRACEBACK output routine.
92 0362 1 |         !++
93 0363 1 |
94 0364 1 |         TBK$MODULE_CS : CS_POINTER,
95 0365 1 |         TBK$ROUTINE_CS : CS_POINTER,
96 0366 1 |         TBK$GL_STMT,
97 0367 1 |         TBK$GL_LINE,
98 0368 1 |         TBK$REC_PC,
99 0369 1 |
100 0370 1 |         TBK$MODULE_DST : REF DST$RECORD,
101 0371 1 |
102 0372 1 |         !++
103 0373 1 |         ! Declare the RAB blocks for output
104 0374 1 |         ! to SYSS$OUTPUT and SYSS$ERROR.
105 0375 1 |         !--
106 0376 1 |         tbk$gl_outprab: $RAB (),
107 0377 1 |         tbk$gl_errrab: $RAB ();
108 0378 1 |
109 0379 1 | END
110 0380 0 | ELUDOM

```

```

.TITLE TBKSTO
.IDENT \V04-000\
.PSECT TBK$GLOBAL,NOEXE, PIC,2

```

```

0000 TBK$GL_EXC_TYPE::
      .B[KB 4
0004 TBK$OUTPUT_BUF::
      .B[KB 132
0008 TBK$CP_OUT_STR::
      .B[KB 4
000C TBK$GL_BUF_SIZ::

```

```

                                .BLKB 4
00090 TBK$MODULE_CS::
                                .BLKB 4
00094 TBK$ROUTINE_CS::
                                .BLKB 4
00098 TBK$GL_STMT::
                                .BLKB 4
0009C TBK$GL_LINE::
                                .BLKB 4
000A0 TBK$REL_PC::
                                .BLKB 4
000A4 TBK$MODULE_DST::
                                .BLKB 4
01 000A8 TBK$GL_OUTPRAB::
                                .BLKB 4
                                .BYTE 1
44 000A9
                                .BYTE 68
0000 000AA
                                .WORD 0
00000000 000AC
                                .LONG 0
00000000 000B0
                                .LONG 0
00000000 000B4
                                .LONG 0
0000# 000B8
                                .WORD 0[3]
0000 000BE
                                .WORD 0
00000000 000C0
                                .LONG 0
0000 000C4
                                .WORD 0
00 000C6
                                .BYTE 0
00 000C7
                                .BYTE 0
0000 000C8
                                .WORD 0
0000 000CA
                                .WORD 0
00000000 000CC
                                .LONG 0
00000000 000D0
                                .LONG 0
00000000 000D4
                                .LONG 0
00000000 000D8
                                .LONG 0
00 000DC
                                .BYTE 0
00 000DD
                                .BYTE 0
00 000DE
                                .BYTE 0
00 000DF
                                .BYTE 0
00000000 000E0
                                .LONG 0
00000000 000E4
                                .LONG 0
00000000 000E8
                                .LONG 0
01 000EC TBK$GL_ERRRAB::
                                .BYTE 1
44 000ED
                                .BYTE 68
0000 000EE
                                .WORD 0
00000000 000F0
                                .LONG 0
00000000 000F4
                                .LONG 0
00000000 000F8
                                .LONG 0
0000# 000FC
                                .WORD 0[3]
0000 00102
                                .WORD 0
00000000 00104
                                .LONG 0
0000 00108
                                .WORD 0
00 0010A
                                .BYTE 0
00 0010B
                                .BYTE 0
0000 0010C
                                .WORD 0
0000 0010E
                                .WORD 0
00000000 00110
                                .LONG 0
00000000 00114
                                .LONG 0
00000000 00118
                                .LONG 0
```

.....

.....

TBKSTO
V04-000

C 5
16-Sep-1984 02:17:27
14-Sep-1984 13:20:25

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[TRACE.SRC]TBKSTO.B32;1 Page 5 (2)

00000000	0011C	.LONG	0
00	00120	.BYTE	0
00	00121	.BYTE	0
00	00122	.BYTE	0
00	00123	.BYTE	0
00000000	00124	.LONG	0
00000000	00128	.LONG	0
00000000	0012C	.LONG	0

TBK\$_RST_BEGIN== 2147418112

PSECT SUMMARY

Name	Bytes	Attributes
TBK\$GLOBAL	304	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, PIC, ALIGN(2)
. ABS .	0	NOVEC, NOWRT, NORD, NOEXE, NOSHR, LCL, ABS, CON, NOPIC, ALIGN(0)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	11	0	1000	00:01.9
-\$255\$DUA28:[TRACE.OBJ]TBKLIB.L32;1	157	2	1	14	00:00.3
-\$255\$DUA28:[TRACE.OBJ]STRUCDEF.L32;1	32	0	0	7	00:00.1
-\$255\$DUA28:[TRACE.OBJ]TBKDST.L32;1	414	103	24	30	00:00.3

COMMAND QUALIFIERS

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

```

: Size:          0 code + 304 data bytes
: Run Time:      00:09.0
: Elapsed Time: 00:32.7
: Lines/CPU Min: 2530
: Lexemes/CPU-Min: 34175
: Memory Used:  87 pages
: Compilation Complete

```

