```
EEEEEEEEEEEEEEEE   DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD      TTTTTTTTTTTTTTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEEEEEEEEEEE       DDD       DDD          TTT
EEEEEEEEEEEE       DDD       DDD          TTT
EEEEEEEEEEEE       DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEE                DDD       DDD          TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD             TTT
```

EXE

Mod
---
EDT
EDT
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EDT
EDT
EDT
SYS
LBR
LIB

```
**FILE**ID**BADKEY
```

```
BBBBBBBB      AAAAAA   DDDDDDDD   KK      KK  EEEEEEEEEE  YY        YY
BBBBBBBB      AAAAAA   DDDDDDDD   KK      KK  EEEEEEEEEE  YY        YY
BB      BB  AA      AA  DD      DD  KK    KK   EE           YY      YY
BB      BB  AA      AA  DD      DD  KK  KK     EE           YY      YY
BB      BB  AA      AA  DD      DD  KK KK      EE             YY  YY
BB      BB  AA      AA  DD      DD  KK KK      EE             YY  YY
BBBBBBBB  AA      AA  DD      DD  KKKKK      EEEEEEE            YY
BBBBBBBB  AA      AA  DD      DD  KKKKK      EEEEEEE            YY
BB      BB  AAAAAAAAAA  DD      DD  KK KK      EE                YY
BB      BB  AAAAAAAAAA  DD      DD  KK  KK     EE                YY
BB      BB  AA      AA  DD      DD  KK    KK   EE                YY
BB      BB  AA      AA  DD      DD  KK    KK   EE                YY
BBBBBBBB  AA      AA  DDDDDDDD   KK      KK  EEEEEEEEEE         YY
BBBBBBBB  AA      AA  DDDDDDDD   KK      KK  EEEEEEEEEE         YY


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
LLLLLLLLLL  IIIIII    SSSSSSSS
LLLLLLLLLL  IIIIII    SSSSSSSS
```

```
   1   0001  0  %TITLE 'EDT$BADKEY - test for bad key'
   2   0002  0  MODULE EDT$BADKEY (                                 ! Test for bad key
   3   0003  0                    IDENT = 'V04-000'                 ! File: BADKEY.BLI Edit: JBS1005
   4   0004  0                    ) =
   5   0005  1  BEGIN
   6   0006  1  !
   7   0007  1  !************************************************************************
   8   0008  1  !*                                                                      *
   9   0009  1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                            *
  10   0010  1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.             *
  11   0011  1  !*   ALL RIGHTS RESERVED.                                               *
  12   0012  1  !*                                                                      *
  13   0013  1  !*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
  14   0014  1  !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE   *
  15   0015  1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
  16   0016  1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
  17   0017  1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
  18   0018  1  !*   TRANSFERRED.                                                       *
  19   0019  1  !*                                                                      *
  20   0020  1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
  21   0021  1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
  22   0022  1  !*   CORPORATION.                                                       *
  23   0023  1  !*                                                                      *
  24   0024  1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
  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:      EDT -- The DEC Standard Editor
  33   0033  1  !
  34   0034  1  ! ABSTRACT:
  35   0035  1  !
  36   0036  1  !      Test for a bad key.
  37   0037  1  !
  38   0038  1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
  39   0039  1  !
  40   0040  1  ! AUTHOR: Bob Kushlis, CREATION DATE: 6-AUG-1979
  41   0041  1  !
  42   0042  1  ! MODIFIED BY:
  43   0043  1  !
  44   0044  1  ! 1-001 - Original.  DJS 18-FEB-1981.  This module was created by
  45   0045  1  !         extracting routine EDT$$TST_BADK  from module EDTCTR.
  46   0046  1  ! 1-002 - Regularize headers and fix file name.  JBS 04-Mar-1981
  47   0047  1  ! 1-003 - Change range check, for new implementation of defined keys.
  48   0048  1  !         JBS 12-Aug-1982
  49   0049  1  ! 1-004 - Don't allow GOLD digit.  JBS 16-Aug-1982
  50   0050  1  ! 1-005 - Add conditional for VT220 support.  JBS 11-Feb-1983
  51   0051  1  !--
  52   0052  1
```

```
   54          0053   1  %SBTTL 'Declarations'
   55          0054   1  !
   56          0055   1  !  TABLE OF CONTENTS:
   57          0056   1  !
   58          0057   1
   59          0058   1  REQUIRE 'EDTSRC:TRAROUNAM';
   60          0497   1
   61          0498   1  FORWARD ROUTINE
   62          0499   1      EDT$$TST_BADK;
   63          0500   1
   64          0501   1  !
   65          0502   1  !  INCLUDE FILES:
   66          0503   1  !
   67          0504   1
   68          0505   1  REQUIRE 'EDTSRC:EDTREQ';
   69          0640   1
   70          0641   1  LIBRARY 'EDTSRC:KEYPADDEF';
   71          0642   1
   72          0643   1  LIBRARY 'EDTSRC:SUPPORTS';
   73          0644   1
   74          0645   1  !
   75          0646   1  !  MACROS:
   76          0647   1  !
   77          0648   1  !        NONE
   78          0649   1  !
   79          0650   1  !  EQUATED SYMBOLS:
   80          0651   1  !
   81          0652   1  !        NONE
   82          0653   1  !
   83          0654   1  !  OWN STORAGE:
   84          0655   1  !
   85          0656   1  !        NONE
   86          0657   1  !
   87          0658   1  !  EXTERNAL REFERENCES:
   88          0659   1  !
   89          0660   1  !        In the routine
```

```
    91        0661  1  %SBTTL 'EDT$$TST_BADK - test for bad key'
    92        0662  1
    93        0663  1  GLOBAL ROUTINE EDT$$TST_BADK (                               ! Test for bad key
    94        0664  1      KEY                                                      ! the key to test
    95        0665  1      ) =
    96        0666  1
    97        0667  1  !++
    98        0668  1  ! FUNCTIONAL DESCRIPTION:
    99        0669  1  !
   100        0670  1  !     Test for a bad key.
   101        0671  1  !
   102        0672  1  ! FORMAL PARAMETERS:
   103        0673  1  !
   104        0674  1  !  KEY                    The key to test
   105        0675  1  !
   106        0676  1  ! IMPLICIT INPUTS:
   107        0677  1  !
   108        0678  1  !     NONE
   109        0679  1  !
   110        0680  1  ! IMPLICIT OUTPUTS:
   111        0681  1  !
   112        0682  1  !     NONE
   113        0683  1  !
   114        0684  1  ! ROUTINE VALUE
   115        0685  1  !
   116        0686  1  !     1 = key is bad, 0 = key is good
   117        0687  1  !
   118        0688  1  ! SIDE EFFECTS:
   119        0689  1  !
   120        0690  1  !     NONE
   121        0691  1  !
   122        0692  1  !--
   123        0693  1
   124        0694  2      BEGIN
   125        0695  2
   126     L  0696  2  %IF SUPPORT_VT220
   127        0697  2  %THEN
   128        0698  2
   129        0699  2      EXTERNAL
   130        0700  2          EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE];  ! Information about characters
   131        0701  2
   132        0702  2  %FI
   133        0703  2
   134        0704  2      ASSERT (.KEY LEQ K_KEY_MAX);
   135        0705  2
   136        0706  2      IF ((.KEY LSS K_KPAD_BASE) AND (.KEY NEQ ASC_K_DEL) AND (.KEY GEQ ASC_K_SP)) THEN RETURN (1);
   137        0707  2
   138        0708  3      IF ((.KEY GEQ K_GOLD_BASE) AND (.KEY LSS K_GOLD_BASE + 256))
   139        0709  3      THEN
   140        0710  3          BEGIN
   141        0711  3
   142     L  0712  3  %IF SUPPORT_VT220
   143        0713  3  %THEN
   144        0714  3
   145        0715  3          IF (.EDT$$B_CHAR_INFO [.KEY - K_GOLD_BASE, 0, 0, 8, 0] EQL %X'F0') THEN RETURN (1);
   146        0716  3
   147     U  0717  3  %ELSE
```

```
; 148        U 0718 3
; 149        U 0719 3                 IF ((.KEY GEQ %C'0') AND (.KEY LEQ %C'9')) THEN RETURN (1);
; 150        U 0720 3
; 151          0721 3   %FI
; 152          0722 2
; 153          0723 2         END;
; 154          0724 2
; 155          0725 2         RETURN (0);
; 156          0726 1         END;                                        ! of routine EDT$$TST_BADK


                                                                          .TITLE   EDT$BADKEY EDT$BADKEY - test for bad key
                                                                          .IDENT   \V04-000\

                                                                          .EXTRN   EDT$$B_CHAR_INFO
                                                                          .EXTRN   EDT$$INTER_ERR

                                                                          .PSECT   _EDT$CODE,NOWRT,  SHR,  PIC,2

                                    0004 00000            .ENTRY   EDT$$TST_BADK, Save R2                            : 0663
                          52      04   AC  D0 00002        MOVL    KEY, R2                                          : 0704
         000003E7  8F            52      D1 00006          CMPL    R2, #999
                                 07      15 0000D          BLEQ    1$
         00000000G 00            00      FB 0000F          CALLS   #0, EDT$$INTER_ERR
         0000012C  8F            52      D1 00016 1$:      CMPL    R2, #300                                         : 0706
                                 0E      18 0001D          BGEQ    2$
         0000007F  8F            52      D1 0001F          CMPL    R2, #127
                                 05      13 00026          BEQL    2$
                          20     52      D1 00028          CMPL    R2, #32
                                 1D      18 0002B          BGEQ    3$
         000001F4  8F            52      D1 0002D 2$:      CMPL    R2, #500                                         : 0708
                                 18      19 00034          BLSS    4$
         000002F4  8F            52      D1 00036          CMPL    R2, #756
                                 0F      18 0003D          BGEQ    4$
               F0  8F 00000000G0042     91 0003F          CMPB    EDT$$B_CHAR_INFO-500[R2], #240                   : 0715
                                 04      12 00048          BNEQ    4$
                          50            01  D0 0004A 3$:   MOVL    #1, R0
                                        04 0004D          RET
                          50            D4 0004E 4$:       CLRL    R0                                               : 0725
                                        04 00050          RET                                                      : 0726
```

; Routine Size:  81 bytes,    Routine Base: _EDT$CODE + 0000


```
; 157          0727 1
; 158          0728 1 !<BLF/PAGE>
```

I 7

EDT$BADKEY      EDT$BADKEY - test for bad key      15-Sep-1984 23:42:30   VAX-11 Bliss-32 V4.0-742     Page 5
V04-000       EDT$$TST_BADK  - test for bad key     14-Sep-1984 12:22:17   DISK$VMSMASTER:[EDT.SRC]BADKEY.BLI;1  (4)

```
; 160        0729 1 END                                  ! of module EDT$BADKEY
; 161        0730 1
; 162        0731 0 ELUDOM
```

### PSECT SUMMARY

| Name | Bytes | Attributes |
|------|-------|------------|
| _EDT$CODE | 81 | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

### Library Statistics

| File | -------- Symbols -------- | | | Pages Mapped | Processing Time |
|------|-------|--------|---------|-------|------|
| | Total | Loaded | Percent | | |
| _$255$DUA28:[EDT.SRC]EDT.L32;1 | 377 | 3 | 0 | 40 | 00:00.3 |
| _$255$DUA28:[EDT.SRC]PSECTS.L32;1 | 2 | 1 | 50 | 7 | 00:00.1 |
| _$255$DUA28:[EDT.SRC]KEYPADDEF.L32;1 | 34 | 3 | 8 | 7 | 00:00.1 |
| _$255$DUA28:[EDT.SRC]SUPPORTS.L32;1 | 2 | 1 | 50 | 5 | 00:00.1 |

### COMMAND QUALIFIERS

```
;     BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:BADKEY/OBJ=OBJ$:BADKEY MSRC$:BADKEY.BLI/UPDATE=(ENH$:BADKEY)

; Size:          81 code + 0 data bytes
; Run Time:         00:10.7
; Elapsed Time:     00:15.2
; Lines/CPU Min:    4110
; Lexemes/CPU-Min: 11842
; Memory Used: 64 pages
; Compilation Complete
```

ERRMSG
REQ

TRACEOFF
REQ

SUPPORTS
REQ

TRAROUNAM
REQ

BADKEY
LIS

CHMCMBLIN
LIS

TRACEON
REQ

TRANSLATE
REQ

CALLWIO
LIS

CHMBEGSEN
LIS

CHMBELL
LIS

SYSSYM
REQ

TRANNAMES
REQ

CHMCHGC
LIS

CHMDELLIN
LIS

TRACELIT
REQ

EDTREQ
REQ

KEYPADDEF
REQ

CALLFIO
LIS

CHMBEGWRD
LIS

CHMCLRCC
LIS

CHMDELLIN
LIS

CHMBEEP
LIS

CHMCHANGE
LIS

TRACEMAC
REQ

CHMDELCHR
LIS

PSECTS
REQ

VERSION
REQ

CHMCHKCC
LIS

CHMINPUT
LIS