```
MMM        MMM   000000000       UUU         UUU  NNN          NNN  TTTTTTTTTTTTTTT
MMM        MMM   000000000       UUU         UUU  NNN          NNN  TTTTTTTTTTTTTTT
MMM        MMM   000000000       UUU         UUU  NNN          NNN  TTTTTTTTTTTTTTT
MMMMMM  MMMMMM   000       000   UUU         UUU  NNN          NNN      TTT
MMMMMM  MMMMMM   000       000   UUU         UUU  NNN          NNN      TTT
MMMMMM  MMMMMM   000       000   UUU         UUU  NNN          NNN      TTT
MMM  MMM   MMM   000       000   UUU         UUU  NNNNNN       NNN      TTT
MMM  MMM   MMM   000       000   UUU         UUU  NNNNNN       NNN      TTT
MMM  MMM   MMM   000       000   UUU         UUU  NNNNNN       NNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN    NNN   NNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN    NNN   NNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN    NNN   NNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN       NNNNNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN       NNNNNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN       NNNNNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN          NNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN          NNN      TTT
MMM        MMM   000       000   UUU         UUU  NNN          NNN      TTT
MMM        MMM   000000000       UUUUUUUUUUUUUUU  NNN          NNN      TTT
MMM        MMM   000000000       UUUUUUUUUUUUUUU  NNN          NNN      TTT
MMM        MMM   000000000       UUUUUUUUUUUUUUU  NNN          NNN      TTT
```

```
RRRRRRRR  DDDDDDD    HH    HH    000000    MM      MM  EEEEEEEEEE
RRRRRRRR  DDDDDDD    HH    HH    000000    MM      MM  EEEEEEEEEE
RR    RR  DD    DD   HH    HH   00    00   MMMM  MMMM  EE
RR    RR  DD    DD   HH    HH   00    00   MMMM  MMMM  EE
RR    RR  DD    DD   HH    HH   00    00   MM MM MM MM EE
RR    RR  DD    DD   HH    HH   00    00   MM  MM  MM  EE
RRRRRRRR  DD    DD   HHHHHHHHHH 00    00   MM      MM  EEEEEEE
RRRRRRRR  DD    DD   HHHHHHHHHH 00    00   MM      MM  EEEEEEE
RR  RR    DD    DD   HH    HH   00    00   MM      MM  EE
RR  RR    DD    DD   HH    HH   00    00   MM      MM  EE
RR   RR   DD    DD   HH    HH   00    00   MM      MM  EE
RR   RR   DD    DD   HH    HH   00    00   MM      MM  EE
RR    RR  DDDDDDD    HH    HH    000000    MM      MM  EEEEEEEEEE
RR    RR  DDDDDDD    HH    HH    000000    MM      MM  EEEEEEEEEE


LL           IIIIII     SSSSSSSS
LL           IIIIII     SSSSSSSS
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 MODULE RDHOME (
    2    0002  0                LANGUAGE (BLISS32),
    3    0003  0                IDENT = 'V04-000'
    4    0004  0                ) =
    5    0005  1 BEGIN
    6    0006  1
    7    0007  1 !
    8    0008  1 !*****************************************************************
    9    0009  1 !*                                                               *
   10    0010  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                      *
   11    0011  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.       *
   12    0012  1 !*  ALL RIGHTS RESERVED.                                         *
   13    0013  1 !*                                                               *
   14    0014  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
   15    0015  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE   *
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   17    0017  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
   18    0018  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
   19    0019  1 !*  TRANSFERRED.                                                 *
   20    0020  1 !*                                                               *
   21    0021  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
   22    0022  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
   23    0023  1 !*  CORPORATION.                                                 *
   24    0024  1 !*                                                               *
   25    0025  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
   26    0026  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.      *
   27    0027  1 !*                                                               *
   28    0028  1 !*                                                               *
   29    0029  1 !*****************************************************************
   30    0030  1
   31    0031  1 !++
   32    0032  1 !
   33    0033  1 ! FACILITY:  MOUNT Utility Structure Levels 1 & 2
   34    0034  1 !
   35    0035  1 ! ABSTRACT:
   36    0036  1 !        This routine reads the home block, if any, of the volume being mounted.
   37    0037  1 !
   38    0038  1 ! ENVIRONMENT:
   39    0039  1 !
   40    0040  1 !        STARLET operating system, including privileged system services
   41    0041  1 !        and internal exec routines.
   42    0042  1 !
   43    0043  1 !--
   44    0044  1 !
   45    0045  1 !
   46    0046  1 ! AUTHOR: Andrew C. Goldstein,  CREATION DATE:  13-Oct-1977  21:29
   47    0047  1 !
   48    0048  1 ! MODIFIED BY:
   49    0049  1 !
   50    0050  1 !
   51    0051  1 !        V03-003 HH0017          Hai Huang               3-May-1984
   52    0052  1 !                Use SURFACE_ERROR macro to determine if search for
   53    0053  1 !                the home block should continue.
   54    0054  1 !
   55    0055  1 !        V03-002 CDS0001         Christian D. Saether    13-Sep-1983
   56    0056  1 !                Do not set VALID.  The drivers have been modified
   57    0057  1 !                to do this in conjunction with the on line count
```

```
58  0058  1 !          0 to 1 transition.
59  0059  1 !          Eliminate SET_VALID routine and move CLEAR_VALID
60  0060  1 !          routine to VMOUNT as it is only referenced there
61  0061  1 !          on tape error paths.
62  0062  1 !
63  0063  1 !  V03-001 STJ0247        Steven T. Jeffreys,     31-Mar-1982
64  0064  1 !          Use a common I/O routine.
65  0065  1 !
66  0066  1 !  V02-004 STJ0002        Steven T. Jeffreys,     29-Aug-1980
67  0067  1 !          Liberal re-write to facilitate operator assisted mount.
68  0068  1 !          As a result, the code indentation is screwed up.
69  0069  1 !
70  0070  1 !  V02-003 ACG0167        Andrew C. Goldstein,    18-Apr-1980  13:39
71  0071  1 !          Previous revision history moved to MOUNT.REV
72  0072  1 !**
73  0073  1
74  0074  1
75  0075  1 LIBRARY 'SYS$LIBRARY:LIB.L32';
76  0076  1 REQUIRE 'SRC$:MOUDEF.B32';
77  0608  1
78  0609  1
79  0610  1 FORWARD ROUTINE
80  0611  1         READ_HOMEBLOCK;                    ! read the home block
```

```
 82   0612  1  GLOBAL ROUTINE READ_HOMEBLOCK (VOLUME_LABEL, FULL_SEARCH) =
 83   0613  1
 84   0614  1  !++
 85   0615  1  !
 86   0616  1  ! FUNCTIONAL DESCRIPTION:
 87   0617  1  !
 88   0618  1  !       This routine reads the home block, if any, of the volume being mounted.
 89   0619  1  !       Various statuses are returned to be interpreted in the context of the
 90   0620  1  !       operation; errors that are clear losers are signalled.
 91   0621  1  !
 92   0622  1  !
 93   0623  1  ! CALLING SEQUENCE:
 94   0624  1  !       READ_HOMEBLOCK (ARG1, ARG2)
 95   0625  1  !
 96   0626  1  ! INPUT PARAMETERS:
 97   0627  1  !       ARG1: address of volume label string descriptor
 98   0628  1  !       ARG2: 1 if search whole disk for home block
 99   0629  1  !             0 if limited search
100   0630  1  !
101   0631  1  ! IMPLICIT INPUTS:
102   0632  1  !       CHANNEL: channel number assigned to device being mounted
103   0633  1  !
104   0634  1  ! OUTPUT PARAMETERS:
105   0635  1  !       NONE
106   0636  1  !
107   0637  1  ! IMPLICIT OUTPUTS:
108   0638  1  !       HOME_BLOCK: buffer contains home block if found
109   0639  1  !       HOMEBLOCK_LBN: LBN of home block read
110   0640  1  !
111   0641  1  ! ROUTINE VALUE:
112   0642  1  !       1 if valid and correct home block found
113   0643  1  !       SS$_NOHOMEBLK if home block not found
114   0644  1  !       SS$_INCVOLLABEL if home block found but wrong volume name
115   0645  1  !       SS$_DEVOFFLINE
116   0646  1  !       SS$_MEDOFL
117   0647  1  !       SS$_FILESTRUCT
118   0648  1  !
119   0649  1  ! SIDE EFFECTS:
120   0650  1  !       NONE
121   0651  1  !
122   0652  1  !--
123   0653  1
124   0654  2  BEGIN
125   0655  2
126   0656  2  MAP
127   0657  2          VOLUME_LABEL      : REF VECTOR;    ! volume label string descriptor
128   0658  2
129   0659  2  LOCAL
130   0660  2          STATUS,                            ! system service status
131   0661  2          IO_STATUS         : VECTOR[2],     ! I/O status block
132   0662  2          DELTA,                             ! home block search delta
133   0663  2          BLOCKFACT,                         ! device blocking factor
134   0664  2          LBN;                               ! current LBN being tried
135   0665  2
136   0666  2  EXTERNAL
137   0667  2          CHANNEL,                           ! channel number for I/O
138   0668  2          DEVICE_CHAR       : BBLOCK,        ! disk device characteristics
```

RDHOME
V04-000

G-4

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```
 139    0669  2              DEVCHAR_DESC      : VECTOR,             ! device characteristics descriptor
 140    0670  2              HOME_BLOCK        : BBLOCK,             ! home block buffer
 141    0671  2              HOMEBLOCK_LBN,                          ! LBN of home block read
 142    0672  2              CTL$GL_PHD        : REF BBLOCK ADDRESSING_MODE (ABSOLUTE);
 143    0673                                                        ! pointer to process header
 144    0674  2
 145    0675  2  EXTERNAL ROUTINE
 146    0676  2              READ_BLOCK,                             ! read a disk block
 147    0677  2              CHECK_HOMEBLK1,                         ! verify structure level 1 home block
 148    0678  2              CHECK_HOMEBLK2;                         ! verify structure level 2 home block
 149    0679  2
 150    0680
 151    0681  2
 152    0682  2  ! Issue a pack acknowlege so we can talk to the disk.
 153    0683  2  ! Inhibit error logging to avoid saturating the error log
 154    0684  2  ! with media/device offline errors.  These errors cause
 155    0685  2  ! us to return and try an operator assisted mount.
 156    0686  2  !
 157    0687  2
 158  P 0688  2  STATUS = DO_IO (CHAN = .CHANNEL,
 159  P 0689  2                  FUNC = (IO$_PACKACK OR IO$M_INHERLOG),
 160  P 0690  2                  EFN  = MOUNT_EFN,
 161    0691  2                  IOSB = IO_STATUS[0]);
 162    0692  2  IF .STATUS THEN STATUS = .(IO_STATUS[0])<0,16>;
 163    0693  2  IF NOT .STATUS
 164    0694  2  THEN
 165    0695  2      !
 166    0696  2      ! Allow ILLIOFUNC errors, as devices that have
 167    0697  2      ! no PACKACK function will return this status.
 168    0698  2      !
 169    0699  2      IF .STATUS NEQ SS$_ILLIOFUNC
 170    0700  2      THEN
 171    0701  2          ERR_EXIT (.STATUS);
 172    0702  2
 173    0703  2  ! Re-read the device characteristics. (For some devices, packack causes the
 174    0704  2  ! correct characteristics to be determined and recorded in the I/O data base.)
 175    0705  2  !
 176    0706  2
 177    0707  2  $GETCHN (CHAN = .CHANNEL, PRIBUF = DEVCHAR_DESC);
 178    0708  2
 179    0709  2  ! Compute the home block search delta from the volume geometry in the
 180    0710  2  ! device table. This is done according to the following rules, where volume
 181    0711  2  ! geometry is expressed in the order sectors, tracks, cylinders:
 182    0712  2  !
 183    0713  2  !      n x 1 x 1:        1
 184    0714  2  !      1 x n x 1:        1
 185    0715  2  !      1 x 1 x n:        1
 186    0716  2  !
 187    0717  2  !      n x m x 1:        n+1
 188    0718  2  !      n x 1 x m:        n+1
 189    0719  2  !      1 x n x m:        n+1
 190    0720  2  !
 191    0721  2  !      s x t x c:        (t+1)*s+1
 192    0722  2  !
 193    0723  2
 194    0724  3  BLOCKFACT = (.DEVICE_CHAR[DIB$B_SECTORS]
 195    0725  3              * .DEVICE_CHAR[DIB$B_TRACKS]
```

RDHOME
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H 4
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```
196   0726  3                  * .DEVICE_CHAR[DIB$W_CYLINDERS])
197   0727  2                  / .DEVICE_CHAR[DIB$L_MAXBLOCK];
198   0728  2
199   0729  2   DELTA = 1;
200   0730  2   IF   .DEVICE_CHAR[DIB$W_CYLINDERS] GTR 1
201   0731  2   AND .DEVICE_CHAR[DIB$B_TRACKS] GTR 1
202   0732  2   THEN DELTA = .DELTA + .DEVICE_CHAR[DIB$B_TRACKS];
203   0733  2
204   0734  2   IF   .DEVICE_CHAR[DIB$B_SECTORS] GTR 1
205   0735  3   AND (.DEVICE_CHAR[DIB$Q_CYLINDERS] GTR 1
206   0736  3   OR .DEVICE_CHAR[DIB$B_TRACKS] GTR 1)
207   0737  2   THEN DELTA = (.DELTA * .DEVICE_CHAR[DIB$B_SECTORS] + .BLOCKFACT) / .BLOCKFACT;
208   0738  2
209   0739  2   IF .DELTA EQL 0
210   0740  2   OR .DELTA GTRU .DEVICE_CHAR[DIB$L_MAXBLOCK] / 10
211   0741  2   THEN DELTA = 1;
212   0742  2
213   0743  2   ! Limit the home block search to 10 hits to save time. If the device is
214   0744  2   ! being mounted files-11 then we try all the way just in case the home block
215   0745  2   ! is in a weird location. Note the potential protection hole: Disks with the
216   0746  2   ! home block far into the disk are not protected from being mounted foreign
217   0747  2   ! by non-privileged users. C'est la vie.
218   0748  2   !
219   0749  2
220   0750  2   LBN = 1;
221   0751  2
222   0752  3   IF (
223   0753  3       DECRU J FROM (IF .FULL_SEARCH THEN -1 ELSE 10) TO 1 DO
224   0754  4       BEGIN
225   0755  4           STATUS = READ_BLOCK (.LBN, HOME_BLOCK);
226   0756  4           IF .STATUS
227   0757  4           THEN
228   0758  5               BEGIN
229   0759  5               IF .HOME_BLOCK[HM2$B_STRUCLEV] EQL 1
230   0760  5               THEN STATUS = CHECK_HOMEBLK1 (HOME_BLOCK, .LBN, .VOLUME_LABEL)
231   0761  5               ELSE IF .HOME_BLOCK[HM2$B_STRUCLEV] EQL 2
232   0762  5               THEN STATUS = CHECK_HOMEBLK2 (HOME_BLOCK, .LBN, .VOLUME_LABEL)
233   0763  5               ELSE STATUS = 0;
234   0764  5               IF .STATUS
235   0765  5               OR .STATUS EQL SS$_INCVOLLABEL
236   0766  5               THEN EXITLOOP 0;
237   0767  5               END
238   0768  4           ELSE
239   0769  5               BEGIN
240   0770  5               IF .STATUS EQL SS$_ILLBLKNUM
241   0771  5               THEN EXITLOOP -1;
242   0772  6               IF NOT SURFACE_ERROR (.STATUS)
243   0773  5               THEN ERR_EXIT (.STATUS);
244   0774  4               END;
245   0775  4
246   0776  4           IF NOT .FULL_SEARCH
247   0777  4           AND .BBLOCK [CTL$GL_PHD[PHD$Q_PRIVMSK], PRV$V_VOLPRO]
248   0778  4           THEN RETURN (SS$_NOHOMEBLK);
249   0779  4
250   0780  4           LBN = .LBN + .DELTA;
251   0781  4           END
252   0782  3       )
```

RDHOME
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I 4
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```
  253   0783  2 THEN
  254   0784  3     BEGIN
  255   0785  3     READ_BLOCK (1, HOME_BLOCK);
  256   0786  3     RETURN (SS$_NOHOMEBLK);
  257   0787  2     END;
  258   0788  2
  259   0789  2 HOMEBLOCK_LBN = .LBN;
  260   0790  2
  261   0791  2 RETURN .STATUS;
  262   0792  2
  263   0793  1 END;                                           ! end of routine READ_HOMEBLK


                                                    .TITLE   RDHOME
                                                    .IDENT   \V04-000\

                                                    .EXTRN   CHANNEL, DEVICE_CHAR
                                                    .EXTRN   DEVCHAR_DESC, HOME_BLOCK
                                                    .EXTRN   HOMEBLOCK_LBN, CTL$GL_PHD
                                                    .EXTRN   READ_BLOCK, CHECK_HOMEBLK1
                                                    .EXTRN   CHECK_HOMEBLK2, COMMON_IO
                                                    .EXTRN   SYS$GETCHN

                                                    .PSECT   $CODE$,NOWRT,2

                             03FC 00000             .ENTRY   READ_HOMEBLOCK, Save R2,R3,R4,R5,R6,R7,R8,-  : 0612
                                                             R9
                59 00000000G  00   9E 00002         MOVAB    LIB$STOP, R9
                58     0000G   CF   9E 00009         MOVAB    HOME_BLOCK, R8
                57     0000G   CF   9E 0000E         MOVAB    DEVICE_CHAR+10, R7
                5E           08   C2 00013           SUBL2    #8, SP
                           7E   7C 00016             CLRQ     -(SP)                                       : 0691
                           7E   7C 00018             CLRQ     -(SP)
                           7E   7C 0001A             CLRQ     -(SP)
                           7E   7C 0001C             CLRQ     -(SP)
                      20   AE   9F 0001E             PUSHAB   IO_STATUS
                7E  0808   8F   3C 00021             MOVZWL   #2056, -(SP)
                    0000G   CF   DD 00026            PUSHL    CHANNEL
                      1A   DD 0002A                  PUSHL    #26
    00000000G  00   0C   FB 0002C                    CALLS    #12, COMMON_IO
                53   50   D0 00033                    MOVL     R0, STATUS
                06   53   E9 00036                    BLBC     STATUS, 1$                                  : 0692
                53   6E   3C 00039                    MOVZWL   IO_STATUS, STATUS
                0E   53   E8 0003C                    BLBS     STATUS, 2$                                  : 0693
    000000F4  8F   53   D1 0003F 1$:                  CMPL     STATUS, #244                                : 0699
                05   13 00046                         BEQL     2$
                53   DD 00048                         PUSHL    STATUS                                      : 0701
                69   01   FB 0004A                    CALLS    #1, LIB$STOP
                7E   7C 0004D 2$:                     CLRQ     -(SP)                                       : 0707
                    0000G   CF   9F 0004F            PUSHAB   DEVCHAR_DESC
                7E   D4 00053                         CLRL     -(SP)
                    0000G   CF   DD 00055            PUSHL    CHANNEL
    00000000G  00   05   FB 00059                    CALLS    #5, SYS$GETCHN
                50   FE   A7   9A 00060              MOVZBL   DEVICE_CHAR+8, R0                            : 0724
                51   FF   A7   9A 00064              MOVZBL   DEVICE_CHAR+9, R1                            : 0725
       52       50   51   C5 00068                    MULL3    R1, R0, R2
                54   67   3C 0006C                    MOVZWL   DEVICE_CHAR+10, R4                          : 0726
```

```
                 52          54 C4 0006F        MUL_2   R4, R2
         54      52    66    A7 C7 00072        DIVL3   DEVICE_CHAR+112, R2, BLOCKFACT    ; 0727
                 52          01 D0 00075        MOVL    #1, DELTA                         : 0729
                             55 D4 0007A        CLRL    R5                                : 0730
                 01          67 B1 0007C        CMPW    DEVICE_CHAR+10, #1
                             0A 1B 0007F        BLEQU   3$
                             55 D6 00081        INCL    R5
                 01          51 91 00083        CMPB    R1, #1                            : 0731
                             03 1B 00086        BLEQU   3$
                 52          51 C0 00088        ADDL2   R1, DELTA                         : 0732
                 01          50 91 0008B 3$:    CMPB    R0, #1                            : 0734
                             12 1B 0008E        BLEQU   5$
                 05          55 E8 00090        BLBS    R5, 4$                            : 0735
                 01          51 91 00093        CMPB    R1, #1                            : 0736
                             0A 1B 00096        BLEQU   5$
                 50          52 C4 00098 4$:    MULL2   DELTA, R0                         : 0737
                 50          54 C0 0009B        ADDL2   BLOCKFACT, R0
         52      50          54 C7 0009E        DIVL3   BLOCKFACT, R0, DELTA
                             52 D5 000A2 5$:    TSTL    DELTA                             : 0739
                             0A 13 000A4        BEQL    6$
         50      66    A7    0A C7 000A6        DIVL3   #10, DEVICE_CHAR+112, R0          : 0740
                 50          52 D1 000AB        CMPL    DELTA, R0
                             03 1B 000AE        BLEQU   7$
                 52          01 D0 000B0 6$:    MOVL    #1, DELTA                         : 0741
                 54          01 D0 000B3 7$:    MOVL    #1, LBN                           : 0750
                 05    08    AC E9 000B6        BLBC    FULL_SEARCH, 8$                   : 0753
                 55          01 CE 000BA        MNEGL   #1, R5
                             03 11 000BD        BRB     9$
                 55          0A D0 000BF 8$:    MOVL    #10, R5
                 56    08    AC D2 000C2 9$:    MCOML   FULL_SEARCH, R6
                             008F 31 000C6      BRW     18$                              : 0776
                       0110  8F BB 000C9 10$:   PUSHR   #^M<R4,R8>                        : 0780
          0000G   CF         02 FB 000CD        CALLS   #2, READ_BLOCK                    : 0755
                 53          50 D0 000D2        MOVL    R0, STATUS
                 3B          53 E9 000D5        BLBC    STATUS, 15$                       : 0756
                 01    0D    A8 91 000D8        CMPB    HOME_BLOCK+13, #1                 : 0759
                             0E 12 000DC        BNEQ    11$
                       04    AC DD 000DE        PUSHL   VOLUME_LABEL                      : 0760
                             54 DD 000E1        PUSHL   LBN
                             58 DD 000E3        PUSHL   R8
          0000G   CF         03 FB 000E5        CALLS   #3, CHECK_HOMEBLK1
                             12 11 000EA        BRB     12$
                       02    0D A8 91 000EC 11$: CMPB   HOME_BLOCK+13, #2                 : 0761
                             11 12 000F0        BNEQ    13$
                       04    AC DD 000F2        PUSHL   VOLUME_LABEL                      : 0762
                             54 DD 000F5        PUSHL   LBN
                             58 DD 000F7        PUSHL   R8
          0000G   CF         03 FB 000F9        CALLS   #3, CHECK_HOMEBLK2
                 53          50 D0 000FE 12$:   MOVL    R0, STATUS
                             02 11 00101        BRB     14$
                             53 D4 00103 13$:   CLRL    STATUS                           : 0763
                 66          53 E8 00105 14$:   BLBS    STATUS, 21$                      : 0764
        0000010C  8F         53 D1 00108        CMPL    STATUS, #268                     : 0765
                             27 12 0010F        BNEQ    16$
                             5B 11 00111        BRB     21$
        000000DC  8F         53 D1 00113 15$:   CMPL    STATUS, #220                     : 0766
                             43 13 0011A        BEQL    19$                              : 0770
```

```
                        000001F4   8F          53  D1  0011C          CMPL     STATUS, #500           : 0772
                                               20  13  00123          BEQL     16$
                        0000005C   8F          53  D1  00125          CMPL     STATUS, #92
                                               17  13  0012C          BEQL     16$
                        000000BC   8F          53  D1  0012E          CMPL     STATUS, #188
                                               0E  13  00135          BEQL     16$
                        00002144   8F          53  D1  00137          CMPL     STATUS, #8516
                                               05  13  0013E          BEQL     16$
                                               53  DD  00140          PUSHL    STATUS                 : 0773
                                   69          01  FB  00142          CALLS    #1, LIB$STOP
                                   0B          56  E9  00145  16$:    BLBC     R6, 17$                : 0776
                       15          50  00000000G 9F DO  00148         MOVL     @#CTL$GL_PHD, R0       : 0777
                                   60          15  E0  0014F          BBS      #21, (R0), 20$
                                   54          52  C0  00153  17$:    ADDL2    DELTA, LBN             : 0780
                                               55  D7  00156          DECL     J                      : 0753
                                               55  D5  00158  18$:    TSTL     J
                                               03  13  0015A          BEQL     19$
                                             FF6A  31  0015C          BRW      10$
                                               58  DD  0015F  19$:    PUSHL    R8                     : 0785
                                               01  DD  00161          PUSHL    #1
                        0000G   CF             02  FB  00163          CALLS    #2, READ_BLOCK
                                   50  08E0    8F  3C  00168  20$:    MOVZWL   #2272, R0              : 0786
                                               04  0016D                      RET
                        0000G   CF             54  D0  0016E  21$:    MOVL     LBN, HOMEBLOCK_LBN     : 0789
                                   50          53  D0  00173          MOVL     STATUS, R0             : 0791
                                               04  00176                      RET                    : 0793
```

; Routine Size: 375 bytes,   Routine Base: $CODE$ + 0000

:   264   0794   1
:   265   0795   1 END
:   266   0796   0 ELUDOM

                                             .EXTRN LIB$STOP

:   PSECT SUMMARY

:   Name   Bytes   Attributes

: $CODE$ 375 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

:   Library Statistics

:   -------- Symbols --------   Pages   Processing
:   File   Total   Loaded   Percent   Mapped   Time

: _255DUA28:[SYSLIB]LIB.L32;1   18619   24   0   1000   00:01.9

RDHOME
V04-000

L 4
16-Sep-1984 01:31:05   VAX-11 Bliss-32 V4.0-742   Page 9
14-Sep-1984 12:45:33   DISK$VMSMASTER:[MOUNT.SRC]RDHOME.B32;1 (2)

REB
V04

```
;                        COMMAND QUALIFIERS

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

; Size:          375 code + 0 data bytes
; Run Time:           00:14.5
; Elapsed Time:       00:33.3
; Lines/CPU Min:    3298
; Lexemes/CPU-Min: 29954
; Memory Used:  154 pages
; Compilation Complete
```

63

20
65

6E

73
6E

73

RDHOME
LIS

MWTUR2
LIS

RUJMAN
LIS

MWTUR1
LIS

SRCVOL
LIS

STACP
LIS

MRDBLK
LIS

REBUILD
LIS