

wjm 18-apr-1999: Almost finalized PK2K kits (Vs3100-like SCSI support for VAXstation 2000 & microVAX 2000) for various flavors of OpenVMS VAX. Packaging to be improved at some later date.

... Subject to change without notice ... partially untested ...

PK2K_0013-BIN.ZIP binaries for V5.5-2, plus the README
 (slight update from the 0012 version).

PK2K_0013-061BIN.ZIP binaries for V6.1 (NEW!)

PK2K_0013-062BIN.ZIP binaries for V6.2 (NEW!)

PK2K_0013-071BIN.ZIP binaries for V7.1 (NEW!)

The README in PK2K_0013-BIN.ZIP applies to all of the above, with the respective VMS version substituted for "V5.5-2".

PK2K-BOOT_0013.ZIP "secondary" SYSBOOT images for booting into
 a SCSI disk, to be loaded via DUAn: or ESA0:

KA410W_V23_ROM-0013.PATCH
 (ASCII!) PATCH command file for improving
 upon the "KA410-B V2.3" ROM, allowing it
 to boot from SCSI disks, instead of "MUA0"

... Subject to change without notice ... V6.2 and V7.1 not yet tested ...

... Not "supported" by anyone ... but very likely to just work ...

w.j.moeller, <moeller@gwdg.de>

KA410ROM23.BIN /abs /out=KA410ROM23W.BIN /jou=KA410ROM23W

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!-----
! "KA410-B V2.3" ROM:
!   - replace "MUA0" TVBTDRIVER by "DKAn" DK2KBTDRIVER
!   - fix bogus 000000C4 SCSI (disk) self-test error
!   - add "T 56" for checking/setting the SCSI host id (default = 0)
!   - try to improve SCSI arbitration logic during self-test (03C6)
!     (no errors observed yet).
!-----
! w.j.m. 24-mar-1999 (based upon 2KBTDRIVER.MAR with CDROM = 1)
! mod 29-mar-1999 wjm: (after Vs3100 "STRG V1.3")
!                       fix "000000C4" SCSI self-test problem,
!                       caused by not expecting interrupt due to ATN;
!                       also remove "000000C6" test.
! mod 02-apr-1999 wjm: 2KBTDRIVER.MAR updated to support 'IO410$AB SCSI';
!                       change rom-id from "KA410-B W" to KA410-W V"
! mod 04-apr-1999 wjm: add "T 56"; try to fix arbitration logic (03C6 error).
!-----
!
def IO410$AL_SIDEX      = 20040004
def IO410$AB_CPMBX      = 200B0038      ! NVRAM, HALT flags
def IO410$AB SCSI      = 200B00BC      ! NVRAM, SCSI host id (name made up)
def IO410$AB_SCTLS      = 200C0080
!
def ka410rom            = IO410$AL_SIDEX - 4      ! more physical addresses ...
def ka410rom_end        = ka410rom + 040000
def ka410rom_cksum      = ka410rom_end - 4
!
!-----
! NOTE: As of 02-apr-1999, this patch affects both the ROM VMB,
!       and the self-test code, so both ids are changed.
!       Use ">>> T 80000050" in order to inspect the VMB version.
!
def vmb_version         = 2005376C - ka410rom
!
replace/ascii/long vmb_version
'V1.2'
exit
'W1.2'
exit
!
def rom_version_410     = 200414B0 - ka410rom
!
replace/ascii/long rom_version_410
'KA41'
'0-B '
'V2.x'
exit
'KA41'
'0-W '      ! ... here
'V2.x'
exit
!
!-----
!----- part 1a: fix SCSI self-test (000000C4)
!
def t6_unit_c4_loop     = 20044D4F - ka410rom
def t6_unit_c6_start    = 20044D82 - ka410rom
def t6_unit_c6_end      = 20044D92 - ka410rom
def t6_unit_finish      = 20044E1F - ka410rom      ! exit tests here
def delay_316           = 2004C7AF - ka410rom      ! just a random subroutine
!
verify/inst      t6_unit_c4_loop      ! wait for interrupt after DMA MSG_IN

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'      MOVL      B^014(R7),R2'          ! get mask set by interrupt handler
'      BITL      #00000050,R2'          ! expect <6> and/or <4>
'      BNEQ      _4D7A'                  ! if so, done with "C4" test
'      BBCCI     #0,B^014(R7),_4D64'    ! if some other interrupt occurred,
'      TSTB      B^01C(R6)'             ! touch _RESET to acknowledge it
'_4D64: JSB      L^delay_316'
'      AOBLEQ    #000007D0,R1,t6_unit_c4_loop'
'      MOVB      #0C4,B^8(R7)'          ! set ttssmmC4 status
'      BRW       t6_unit_finish'
'_4D7A: BBCCI     #0,B^014(R7),_4D82'    ! if an interrupt occurred
'      TSTB      B^01C(R6)'             ! touch _RESET to acknowledge it
'_4D82: MOVL      B^014(R7),R2'          ! get mask again
'      BBS       #4,R2,t6_unit_c6_end'  ! if <4>(inteop), done with "C6" test
'      MOVB      #0C6,B^8(R7)'          ! set ttssmmC6 status
'      BRW       t6_unit_finish'
exit
!
replace/inst    t6_unit_c4_loop + 4
'      BITL      #00000050,R2'          ! expect <4>(inteop) and <6>(phase chg)
exit
'      BITL      #000000D0,R2'          ! also expect <7>(ATN)
exit
!
replace/inst    t6_unit_c6_start        ! <4> is typically missing ...
'      MOVL      B^014(R7),R2'
'      BBS       #4,R2,t6_unit_c6_end'
'      MOVB      #0C6,B^8(R7)'
'      BRW       t6_unit_finish'
exit
'      nop'          ! ... so remove this test (cf. Vs3100)
exit
!
!-----
!----- part 1b: try to fix SCSI self-test arbitration (03C6)
!
def t6_select_3c6      = 20045293 - ka410rom
def t6_select_3c6_end  = 200452A3 - ka410rom
def t6_select_exit     = 2004531D - ka410rom
!
verify/inst    t6_select_3c6
'      movb      (r6),r2'          ! get _CUR_DATA
'      cmpb      r4,r2'          ! compare l@hostid to bus data
'      bleq      t6_select_3c6_end' !* signed test here is definitely wrong
'      movzwl    #03C6,r0'        ! ... return(03C6)
'      brw       t6_select_exit'   ! (can't retry forever w/i self-test)
exit
!
replace/inst    <t6_select_3c6 + 6>
'      bleq      t6_select_3c6_end' ! fail with (signed) lower id contender,
exit
'      bgequ     t6_select_3c6_end' ! fail with *higher* id contender,
exit
'      0<1<2<3<4<5<6<7
!
!-----
!----- part 2: add "T 56" utility for setting SCSI host id
!
! unused space in KA410-B V2.3 ROM:
!      vmb410_end ... PRA0_bootblock    approx. 320 bytes
!      space after "B PRA0" image      approx. 37 kBytes
!
def PRA0_bootblock    = 20059C00 - ka410rom
verify/long PRA0_bootblock          ! plausibility check only
+0E7000018
exit
!
examine <pra0_bootblock + 8>          ! # blocks loaded by "B PRA0"
def pra0_boot_blocks = \

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def free_area = pra0_bootblock + 0200 + <0200 * pra0_boot_blocks>
def free_size = <ka410rom_cksum - ka410rom> - free_area ! size of "patch area"
!
!----
!
! a few random subroutines ...
def cons_output_r0r1      = 20047764 - ka410rom    ! r0 = length, r1 = address
def cons_output7b_r2      = 2004777D - ka410rom    ! output any 7 bit byte in R2
def cons_input_num        = 2004132E - ka410rom    ! [(r0=0) => input a number]
!
def phy_test_50_54        = 20048EC0              ! T 5% get here
def test_50_54            = phy_test_50_54 - ka410rom
def test_53                = 200490FD - ka410rom    ! T 53: prompt for HALT flags
!
def selftest_array        = 20045739 - 8 - ka410rom
def selftest_array_NVR    = selftest_array + <2 * 080>
verify/long/asc <selftest_array_NVR + 8>
'NVR '
'
exit
! test_50_54 is reached via a pointer within this area, cf. below.
!
verify/inst test_50_54
'      CLRB      W^009F(R11)'
'      CASEL     R0,#0050,#4'
! 1$: .WORD      LB_20048EDD - 1$                ! test 50 or 80000050 (status display)
!      .WORD      LB_20049026 - 1$                ! test 51 (q boot device)
!      .WORD      LB_20049098 - 1$                ! test 52 (q boot flags)
!      .WORD      LB_200490FD - 1$                ! test 53 (q halt flags)
!      .WORD      LB_2004914F - 1$                ! test 54 (q language)
! LB_20048ED6:
!      MOVZBL     #0017,R0                        ! "?ILL CMD" message code
!      BSBW       S_20047731                      ! output a message
!      RSB
exit
!
! we'll model "T 56" after this one ...
verify/inst test_53
'      pushr      #01E'                          ! save R1..R4
'      movab      b^<20049093 + 1 - ka410rom>,r1' ! -> 4 spaces
'      movzbl     b^<20049093 - ka410rom>,r0'      ! R0 := 4
'      bsbw       cons_output_r0r1'
'      movw       @#IO410$AB_CPMBX,-(sp)'
'      extzv      #6,#2,(sp),r0'                  ! R0 := old value
'      addl2      #030,r0'                        ! same in ASCII
'      movl       r0,r2'
'      bsbw       cons_output7b_r2'
'      clrl       r0'
'      bsbw       cons_input_num'                 ! [input a number]
'      tstl       r0'
'      bneq       t53_30$'                        ! [got one]
'      tstl       r1'
'      beql       t53_50$'                        ! [confirmed old value]
'      brb        t53_80$'                        ! [input error]
't53_30$: movl    (r1),r1'                        ! R1 := {input value}
'      clrl       r0'                            ! assume out-of-range error
'      cmpl       r1,#3'                        ! check range (0..3)
'      bgtru      t53_80$'                        ! br if no good
'      insv       r1,#6,#2,(sp)'                 ! ok, update stack copy
'      insv       r1,#2,#2,(sp)'
't53_50$: movl    #1,r0'                          ! success status
't53_80$: movw    (sp)+,@#IO410$AB_CPMBX'         ! re-store stack copy
'      popr       #001E'                        ! restore R1..R4
'      rsb
exit
!
!---- NEW data & code for "T 56"

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!
def t56_asciz          = free_area
deposit/word/asc <t56_asciz + 1>
'SC'
'SI'
'A:'
', '
exit
ex/word
def free_area = .                                ! start of "patch area"
def free_size = <ka410rom_cksum - ka410rom> - free_area ! size of "patch area"
!
deposit/byte t56_asciz                          ! fill in string length
+<free_area - <t56_asciz + 1>>
exit
!
def test_56          = free_area
deposit/inst test_56                                ! (after TEST 53 code, above)
'      clrb      w^009F(r11)'                        ! [from test_50_54]
'      pushr     #01E'                                ! save R1..R4
'      movab     b^<t56_asciz + 1>,r1'                ! R1 -> "SCSIA: "
'      movzbl    b^t56_asciz,r0'                      ! R0 := string length
'      jsb       l^cons_output_r0r1'
'      movw      @#IO410$AB_SCSI,-(sp)'                ! fetch NVRAM byte (left shifted by 2)
'      extzv     #2,#3,(sp),r0'                        ! R0 := old hostid
'      addl2     #030,r0'                              ! convert to ASCII
'      movl      r0,r2'
'      jsb       cons_output7b_r2'
'      clrl      r0'
'      jsb       cons_input_num'                      ! [input a number]
'      tstl      r0'
'      bneq      t56_30$'                              ! [got one]
'      tstl      r1'
'      beql      t56_50$'                              ! [confirmed old value]
'      brb       t56_80$'                              ! [input error]
't56_30$: movl    (r1),r1'                              ! R1 := {input value}
'      clrl      r0'                                  ! assume out-of-range error
'      cmpl      r1,#7'                                ! check range (0..7)
'      bgtru     t56_80$'                              ! br if no good
'      insv      r1,#2,#3,(sp)'                        ! ok, update stack copy
't56_50$: movl    #1,r0'                                ! success status
't56_80$: movw    (sp)+,@#IO410$AB_SCSI'                ! re-store stack copy
'      popr      #001E'                                ! restore R1..R4
'      rsb'
exit
ex/inst
def free_area = .                                ! start of "patch area"
def free_size = <ka410rom_cksum - ka410rom> - free_area ! size of "patch area"
!
!---    dispatch to test_56
!
def t5x_dispatch      = free_area
def phy_t5x_dispatch  = t5x_dispatch + ka410rom
deposit/inst t5x_dispatch
'      cmpl      r0,#0056'                            ! Test 56 ?
'      beql      test_56'                              ! br if so
'      jmp       l^test_50_54'
exit
ex/inst
def free_area = .                                ! start of "patch area"
def free_size = <ka410rom_cksum - ka410rom> - free_area ! size of "patch area"
!
!---    point to NEW "T 5x" dispatcher
!
replace/long <selftest_array_NVR + 0040>
+phy_test_50_54
exit

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+phy_t5x_dispatch
exit
!
!-----
!----- part 3: within VMB, replace TVBTDRIVER by (own) DK2KBTDRIVER
!
def btab_mua          = 200537D9 - ka410rom
!
def TVBTDRIVER        = 2005630D - ka410rom
def TVBTDRIVER_DRIVNAME= 200565D7 - ka410rom
def TVBTDRIVER_AUXDRNAME= 200565E4 - ka410rom
def TVBTDRIVER_DEVNAME = 200565F1 - ka410rom
def TVBTDRIVER_UNIT_INIT= 20056616 - ka410rom
def TVBTDRIVER_ENTRY   = 200566E1 - ka410rom
def TVBTDRIVER_UNIT_DISC= 200576E5 - ka410rom
def TVBTDRIVER_END     = 200576FF - ka410rom      ! ESBTDRIVER starts here
!
def BOO$DRIVER_TBL     = 20058500 - ka410rom      ! ^d10 longwords per driver:
!                                                  ! DU, TV("MU"), ES
!
def BTD$K_SCSI_5380_TAPE = 0025 !! "boot device code" associated with MUA0
def BTD$K_SCSI_5380_DISK = 002A !! I'd like to use this for DKA, however
!                                     !! (as of VMS V5.5-2) INIADP410 will map the
!                                     !! SCSI port only for BTD$K_SCSI_5380_TAPE.
!
!***
!
replace/word/ascii btab_mua      ! .ascii "MU" -> "DK"
'MU'
exit
'DK'
exit
!
verify/word btab_mua + 2          ! .asciz "A"
+0041
exit
!
replace/word btab_mua + 4          ! maxunit
+0000
exit
+0007
exit
!
verify/word btab_mua + 6          ! boot device type, must match BOO$DRIVER_TBL
+BTD$K_SCSI_5380_TAPE            ! Can't change this (see above comments);
exit                             ! old value is fine, with at least VMS V5.5-2
!
verify/long btab_mua + 8
+IO410$AB_SCTLS
exit
!
!***
!
def drv_base = TVBTDRIVER
!
!@@@ start DK2KBTDRIVER.PAT 2-APR-1999 13:08:14.48
!
! Data generated from DK2KBTDRIVER.BIN
!
def DK2KBTDRIVER_ENTRY = drv_base + 0000025C
def DK2KBTDRIVER_DRIVNAME = drv_base + 00000050
def DK2KBTDRIVER_AUXDRNAME = drv_base + 0000005D
def DK2KBTDRIVER_UNIT_INIT = drv_base + 000000A5
def DK2KBTDRIVER_UNIT_DISC = drv_base + 00000FA1
def DK2KBTDRIVER_DEVNAME = drv_base + 0000006A
!
!

```



```
def DK2KBTDRIVER_LENGTH = 000013AB  
!  
deposit/long drv_base    ! replace previous driver  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0000000000  
0FFFFFFFFFFF  
0000000000  
0444B440C  
045564952  
058452E52  
04B500C45  
052444B32  
0452E5256  
04B444558  
000001B06  
006000100  
0000000000  
003060000  
008000000  
000080600  
0000000000  
00000280A  
0000000000  
006000000  
00000000A  
02A0A0000  
0000000000  
0000000000  
09501FC00  
00F1282AF  
09F0302EF  
0200B00BC  
001509C50  
03CFF71CF  
0125564A9  
06BCF9107  
0281301FF  
0648F55D1  
018000000  
00755D11F  
08FD00815  
000000908  
0559C0450  
0FF4CCF01  
000648FC5  
050550000  
064A950B0  
0FF3CCF91  
013FF35CF  
0F88FB0DD  
0DB1EA901
```

040D05038
08A5754A9
0D008A702
0F2305005
04450E800
0305005D0
050E800E9
08F50D13B
0000001A4
0CA302013
0408FDD00
0F5000F42
08ED5FD6E
0305005D0
050E800C9
08F50D11B
0000001A4
093300512
0D0C91100
0003A988F
0AE305000
00E50E900
008EF00E2
003000000
0D0001930
000045009
000101506
00C000C00
008000000
000000000
000020000
0E8049A30
03F300350
0E0AF7D0A
030FE75CF
050E80554
00A303003
0E8001030
027300350
005C7300A
0300350E8
07D050A1E
0C5307E51
00350E806
09A0A1130
0D2305000
00350E806
09E0A0530
09A52ADAF
082905182
005463050
093F751F5
01214A708
05001D0FA
005518E7D
0FE8CCF7D
030FE1DCF
050E90433
004F63009
0300350E9
090050575
004A7808F
06EF50CDD
0948ED5FD
exit
deposit/long drv_base+00000200
0DD0504A7

0FCEECFFD
0CF7D2C11
0E3CFFD6E
0E7CFD4FC
0CF5090FC
0CF90FCE3
0D9CFFCFA
0F4CF90FC
0FCD1CFFC
0FCEECF90
090FCC9CF
0CFFCE8CF
0D430FCC1
05050E902
0E8039730
073300350
0051E3008
03050019A
050E90531
005123057
014A70893
067904E13
0B3CFD550
0D70715FC
030FCADCF
0CC300227
0E158F503
0E803E830
03D300650
01050E900
0FC94CFD5
0CFC00A15
08FCFFC96
0FF2031FC
0FC7CCFD0
073CFD058
0CFC25AFC
06FCFFC7A
06FCFD0FC
0CFD055FC
00551FC66
0E903B030
007300350
000023008
08FDDD611
000000054
080CF0091
0D04C12FC
00008708F
001D06E00
0CF05E16E
0E009FC30
0FC28CF07
007DC3036
0CF0400EF
09150FC20
027135001
001F48FD0
0916E0000
01B135003
exit
deposit/long drv_base+00000400
000548FD0
0916E0000
00F135004
001A48FD0
0916E0000

003135002
0D007A930
0DB05508E
0FC20CF38
0FC1CCFCE
0C0FC19CF
013CF14AC
004ACD0FC
008ACD05A
00CACD058
0CF52D055
009EFFBF6
0F3CF5A15
0CF5AD0FB
06230FBF2
0CF55D001
055D0FBC6
0D0FBC9CF
0FBB4CF5A
0B3CF58D0
0CF58D0FB
0507CFBB6
0FBB0CFD0
0008F7B50
050000002
051D55150
050D60213
0FF8F50D1
015000000
0FF8F9A04
0CF50D050
08FC5FB96
000000200
0CFD15850
0FF8FFB86
01A001FFF
0EACF7D23
0FB54CFFB
054CF5090
06FCF90FB
0FB4CCFFB
0FB69CF90
090FB44CF
0CFFB63CF
02C11FB3C
0FBCECF7D
0D4FB31CF
090FB35CF
0FB31CF50
0FB48CF90
090FB27CF
0CFFB42CF
0CF90FB1F
017CFFB3C
036CF90FB
0FB0FCFFB
0E9012230
0E5307250
00350E801
03006C130
0009A036C
0037F3050
0D47950E9
00BCFD550
0D70715FB
030FB05CF
008930078

0641314A7
010A72093
05090F413
004A79067
0E08F8A50
050018850
004A75090
004306ED5
004A79002
0E18F8A50
0A7509050
0BF58F504
0E8021430
069300650
01050E9FE
0FAC0CFD5
0CFC00A15
0BBCFFAC2
0FEFE31FA
0FAA8CFD0
09FCFD058
0CFC25AFA
09BCFFAA6
09BCFD0FA
0CFD055FA
00451FA92
0E901DC30
033300350
0FE2E3006
0DF90D611
01150FAA6
0DF509005
0CFD6FA9E
08FB3FA9A
093CF01FF
0D62A12FA
0D5FA89CF
013FA8DCF
0CA1F1920
0FFFE008F
0FA7CCFFF
07D7E567D
056FA6DCF
0F06647DD
0CF15098E
08E7DFA6A
08FCA0556
0FFFFFFE00
07DFA5DCF
0EF9E7E56
000000BBF
0FF8FCA56
056000001
047CF56C8
01509EFAA
0A9D05656
exit
deposit/long drv_base+00000600
046DE5750
08FC95767
090000000
067FA2DCF
0FA2CCFDA
0568E7D3A
00CA79405
0501CA790
0FA08CF90

0A7018867
0F48FD008
0CF000001
0A790FA02
08F935004
008125040
0F9F4CFF5
0009631F1
06EF501DD
0908ED5FD
0935004A7
006135020
008A7018A
0CF8BCB11
05067F9CE
0C7CF5091
090ED1AF9
0935004A7
0E4125020
05004A790
050E08F8A
090500488
0DD04A750
0FD6EF501
0CF898ED5
0A3CFF9A2
0509050F9
004A79067
0E08F8A50
050098850
004A75090
008A7018A
09010A794
08A5004A7
09050E88F
0D004A750
007A1208F
0F978CF00
0A7408F93
0F5071210
0F4F96DCF
0A7901011
08F8A5004
0509050E5
001D004A7
08FD00550
000000054
0517D0550
0018A307E
03050029A
050E9019D
00BCF9E1E
0829A52F9
050829051
0F5001330
00893F751
0FA1214A7
07D5001D0
03005518E
0089304B2
0031214A7
09304A930
01310A720
0675090F1
05004A790
050E08F8A
090500188

0D504A750
0000D306E
05004A790
050E18F8A
004A75090
004A79005
0E08F8A50
050108850
004A75090
010A72093
0A790FA12
08F8A5004
0509050F0
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[illegible]

[illegible]

[illegible]

[illegible]

wjm 24-feb-199: *TEST* versions of PK2KDRVR (& maybe, assorted patches)

Here is a collection of PK2KDRVR executables
for various VMS versions that I have around,
made _without_ _testing_ them myself.
(I have no Vs2000 running anything but V5.5-2,
where the "official" version has worked very well
over time - for me, that is). So this here is ...

>>> *highly* EXPERIMENTAL software, NO WARRANTIES at all! <<<

It will be difficult for me to fix them,
in case they don't work quite right ...
(but better ask anyway, PLEASE).

I'd appreciate any kind of feed-back,
in case you dare trying them out.

The .ZIP file names in this directory
include the VMS version, e.g.
PK2K-053-TEST.ZIP is for VMS V5.3.

Hacker's note:

Each of the versions here required
some change to the V5.5-2 sources.
DO NOT just assume they'll work for you.

I'll gladly assist you in building PK2K
for VMS versions that I don't have,
provided you'll share the result with me.

Wolfgang J. Moeller, D-37077 Goettingen, Germany

<moeller@gwdg.de>

wjm 19-aug-1997: PK2KDRVR & assorted patches to system programs, V1.2

Changes over initial version: Add fixes, plus one more check, for several cases of bad register usage in PKNDriver.

*** This is for VMS V5.5-2 only ***

PK2KDRVR is a driver for the Vs2000/uVAX2000 SCSI port (traditionally known as the "tape controller port").

>>> EXPERIMENTAL software, NO WARRANTIES at all! <<<

Apart from the restriction mentioned next, it ought to behave just like the Vs3100 SCSI driver (PKNDriver); the SCSI host adapter will have SCSI id 0 (not 6 or 7!).

Known restriction:

PK2KDRVR won't do data transfers of 16kB or more.

This has the effect of limiting the block size that can be used with SCSI tapes, and also will break any program that attempts to read 16kB or more. The only VMS program that does so (which I'm aware of) is DUMP - see below for a patch.

Disclaimer:

This is *EXPERIMENTAL* SOFTWARE that theoretically *could* not only crash your system, but *could* cause CORRUPTION on all media connected to the computer on which it's installed.

(In fact, PK2KDRVR has plenty of code that *attempts* to crash the system if a chance for corruption gets noticed, but the Vs2000/uVAX2000 hardware has never been "qualified" by anyone to work correctly with SCSI devices.)

>>> NO WARRANTIES at all! <<<

Installation & use:

*** This is for VMS V5.5-2 only ***

The "binary kit" contains PK2KDRVR.EXE (not spelled PK2KDRIVER for quite "technical" reasons) plus 5 patch command files.

Place PK2KDRVR.EXE in SYS\$LOADABLE_IMAGES.

Use

\$ PATCH @2KSYSGEN.COM

to create 2KSYSGEN.EXE in the current directory.

>>> Make sure that no MUA0 shows up, and that TVDRIVER
>>> (the Vs2000/uVAX2000 magtape driver) is not loaded.

>>> NOTE that the SCSI host adapter has the SCSI id 0
>>> (quite different from standard assignement of 6 or 7).

Use

\$ MCR [dir]2KSYSGEN AUTOCONFIGURE ALL

to load PK2KDRVR (ought to show up as device PKA0) and autoconfigure the SCSI devices, just like on a Vs3100.

If you're confident enough in the driver that you want the machine to auto-configure the SCSI at boot time,