```
**
                        **
                                     This program out new co/m
                        **
                                      in disk or in hard disk
                        * *
                        title PutSys 1.61 for NE CP/M with Hard-Disk
                               subttl Copyright Studio Lg. Genova - Last rev 15/08/1984 10:40
                               Programmers: Martino Stefano & Gallerani Paolo
0011
                                     17
                        vers
                              equ
0001
                        true
                              eou
                                     1
0000
                        false
                              eau
0000
                        copyrig equ
                                     false
                                                  : flag for copyright message
                  C
                              Include ASCII.LIB ; ascii equivalents
                  C
                  C
                  C
                        C
                        **
                  C
                                     ASCII EQUIVALENTS
                        : *
                  C
                  C
                        C
0007
                  C
                        bell
                                     2 G2 -2 @2
                                                  ; rino beeper
                              eau
                  C
8000
                                     2 H2 -2 @2
                        backso eou
                                                  : back space char.
0009
                  C
                        tab
                                     7 17-7 @?
                                                  : tabulation char.
                              eau
000A
                  C
                        1f
                                     2 J7-7 @2
                                                  : line-feed char.
                              eou
                  C
                                     7 L7 -7 @7
000C
                        ffeed
                                                  : form feed char.
                              eau
000D
                  C
                                     7月7-7日7
                        Cr
                                                  ; carriage-return char.
                              eau
                  C
0013
                                     752-787
                        ofx
                              eau
                                                  ; attributes ofx
                                                  : Reverse On (^SH)
0048
                  C
                                     3 H3
                        rever
                              equ
                  C
0043
                        flash
                              eau
                                     2 C.
                                                  : Flash On (^SC)
0040
                  C
                                     2 B7
                                                  : Normal (^S@)
                        norm
                              eau
0020
                  C
                                     7 2
                        space
                                                  ; space char.
                              eau
                  C
                                     1 $7
0024
                                                  : end of orint message
                        endeso
                              e0u
                  C
                                     62
                               page
```

```
Include ROMENTRY.LIB : Rom entry points
                C
                  **
                 C :*
                                  Rom routines address
                 C
                F000
                C rom
                            equ
                                  0F000h
                                              : (--- rom starting address
F003
                 C
                      cin
                            equ
                                  rom+3
                                              : console input
F006
                                  rom+6
                C
                      cout eau
                                              : console output
F009
                C
                      csts
                                  rom+9
                            ecu
                                              : console status
FOOD
                C
                                  rom+12
                      lout
                          eou
                                              : printer output
F00F
              C
                      lsts
                                  rom+15
                                              : printer status
                            eou
F012
                C fdios eou
                                  rom+18
                                              : fdd I/O 128 byte
F015
                 C
                      fdiod equ
                                  rom+21
                                              ; fdd I/O 256 byte
F018
                 C
                      wdini eou
                                  rom+24
                                              : wdd initialization
F01B
                 C
                      wdio
                            equ
                                  rom+27
                                              ; wdd I/O 256 byte
F01E
                 C
                      strout eou
                                 rom+30
                                              ; print string .DE until $
F01E
                 C
                      print
                           eau
                                  strout
                                              : sinonime
F021
                C bootrom equ
                                rom+33
                                              : load BIOS and go to wboote
F024
                 C
                  printat equ
                                  rom+36
                                              : print str. - DE at - HL cursor
F027
                 C
                  moveurs equ
                                  rom+39
                                              : move cursor at -) HL
F02A
                 C
                     vidinit eou
                                  rom+42
                                              : initialize video
                C CompFlg equ
FO2D
                                  rom+45
                                              : Version Number
                       Hard Disk Status Port
                      0089
                      rporti equ Ob9h
                                             ; sasi read port 1 - read status
                      #X
                      **
                                  BDOS FUNCTIONS
                      0005
                                  0005
                                              ; bdos entry point
                      bdes
                            eau
0001
                      bcino
                           equ
                                  01
                                           : input one char. from console
0002
                      bcout
                            eou
                                  02
                                              ; output one char. to console
0009
                                              : output buffer to console
                      bprint
                            equ
000A
                      bstring equ
                                  10
                                            : input buffer from console
000F
                                  15
                      bopen
                            eau
                                              : open file
0010
                      bclose equ
                                  16
                                              : close file
0014
                      bread
                            eau
                                  20
                                              : read next sector
001A
                      dma
                            equ
                                             : set dma address
                            page
```

```
** PUTSYSH
                     ;* Set stack and go to setup
                     0000°
                          Asea
                          Org 100h
                                           : On TPA
0100
     31 02AC
                          ld so, stack
                                           ; set stack pointer
     C3 02F7
0103
                                           ; go to put system
                          ip putsys
                     Message Area
                     if copyrig
                           defb 'COPYRIGHT (c) 1983, 1984 by STUDIO Lg, Genova, ITALY '
                           endif
0106
    OD OA 07 49
                     No4.2: defb cr. lf. bell, 'Incompatible Version Of EPROM', endmsg
010A
    6E 63 6F 6D
010E
    70 61 74 69
0112 62 60 65 20
0116
    56 65 72 73
011A
    69 6F 6E 20
011E 4F 66 20 45
0122 50 52 4F 4D
0126 24
0127
                     wdfatmso:
0127
    0D 0A 55 6E
                          defb
                               cr, lf, 'Unrecoverable error in hard disk', cr, lf
0128
    72 65 63 6F
012F
    76 65 72 61
0133
    62 60 65 20
     65 72 72 6F
0137
0138
    72 20 69 6E
013F 20 68 61 72
0143
    64 20 64 69
0147 73 6B 0D 0A
014B
014B
                    defb
    0A 53 65 74
                               lf, 'Set new system diskette in drive A. '
014F
    20 6E 65 77
0153
    20 73 79 73
0157
    74 65 6D 20
015B
    64 69 73 6B
015F
    65 74 74 65
0163
    20 69 6E 20
     64 72 69 76
0167
016B
     65 20 41 20
016F
```

```
PutSys 1.61 for NE CP/M with Hard-Disk MACRO-80 3.36
                                                          17-Mar-80
                                                                                   1-3
Copyright Studio Lg. Genova - Last rev 15/08/1984 10:40
  0170
          74 68 65 6E
                                         defb
                                                  'then push return.', endmsq
 0174
          20 70 75 73
  0178
          68 20 72 65
 0170
          74 75 72 6E
 0180
          2E 24
 0182
                                 inimso:
  0182
          OD OA 13 48
                                                  cr, lf, pfx, 'HPUTSYS Vers. ', vers/10+'0', '.', vers mod 10+'0', pfx, '@', cr, lf
                                         defb
 0186
          50 55 54 53
          59 53 20 56
 018A
 018E
         65 72 73 2E
 0192
          20 31 2E 37
 0196
          13 40 OD OA
 019A
          OD OA 50 75
                                         defb
                                                 cr, lf, 'Put system to Hard disk or to Floppy disk (H/F) ?', endmsg
 019E
         74 20 73 79
 01A2
          73 74 65 6D
 01A6
          20 74 6F 20
  OIAA
         48 61 72 64
 01AE
         20 64 69 73
 0182
          6B 20 6F 72
 0186
         20 74 6F 20
 01BA
          46 6C 6F 70
 01BE
         70 79 20 64
 01C2
          69 73 6B 20
 0106
          28 48 2F 46
 01CA
          29 20 3F 24
 01CE
                                 sizemsq:
  01CE
          OD OA OA 43
                                         defb
                                                 cr, lf, lf, 'Choose your system configuration size,'
 01D2
         68 6F 6F 73
 0106
         65 20 79 6F
 01DA
         75 72 20 73
 OIDE
         79 73 74 65
 01E2
         6D 20 63 6F
 01E6
          6E 66 69 67
 01EA
          75 72 61 74
 01EE
          69 6F 6E 20
         73 69 7A 65
 01F2
 01F6
          20
 01F7
         OD OA 66 72
                                                  cr, lf, 'from following ones: 32, 40, 48, 56, 60 kbyte ', endmsg
  01FB
          6F 6D 20 66
  01FF
          6F 6C 6C 6F
 0203
          77 69 6E 67
  0207
         20 6F 6E 65
 020B
         73 3A 20 33
          32 20 34 30
 020F
 0213
         20 34 38 20
 0217
          35 36 2C 36
 021B
          30 20 68 62
 021F
          79 74 65 20
 0223
          24
  0224
                                 fdrdymso:
  0224
          OD OA 50 75
                                                 cr, If, 'Push any key when disk has been set in drive A [^C to exit] ', endmso
```

nofilmsg:

defb cr, lf, bell, 'File not found : ', endmsg

24

0278 0278 OD OA 07 44 027C 69 73 6B 20 0280 49 2F 4F 20 0284 65 72 72 6F 0288 72 OD OA 24

defb

cr, lf, bell, 'Disk I/O error', cr, lf, endmsg

erraso:

page

```
:* Data Area *
                     028C
                          defs
                                 32
                                     : stack data areas
02AC
                                      ; stack too
                     stack equ
02AC
                     outflag:
02AC
                     defs
                                      : out system flag
02AD
                     comdat:
02AD
                      defs 2
02AF
                     conbuff:
02AF
     02
                      defb 2
                                            : two char. for input
0280
                         defs 8
                                            ; free areas
02B8
                     fcb:
02B8 00
                      defb 0 : logical disk
                           defb 'SYS32 OVR'; name of file to open
     53 59 53 33
0289
02BD
     32 20 20 20
02C1
     4F 56 52
02C4
                         defs 32 ; file control block areas
02E4
                     xlt:
                           : sector translate table
02FA
     01 07 03 09
                           defb 1, 7, 3, 9, 5, 2, 8, 4, 10, 6
02E8
     05 02 08 04
02EC
     0A 06
02EE
     FF
                           defb
                               255 ; flag for end track
                      : Disk I/O Table
02EF
                     PutTab:
02EF
     00
                     Pot OSK: defb
                                           : unit 0 - side 0
02F0
     0000
                     PutTrk: defw
                               0
                                            : track 0000
                                1
                                            ; sector 0
02F2
     01
                     PutSec: defb
02F3
     0446
                     PutDma: defw
                               combuff
                                            : dma adrs
02F5
     01
                           defb
                                1
                                            : write code
02F6
                           defb
     1D
                                            ; block count (29 sector 256 byte)
                           *
                                            ; for wdd putsys
                           page
```

```
* PUTSYS
                               02F7
                               putsys:
02F7
        3A F02D
                                        ld
                                                a, (CompFlo)
                                                                ; Check for proper version
02FA
        FE 2A
                                       CD
                                                42
                                                                 : must be greater 42
02FC
        38 5C
                                        11
                                                c, BadVer
                                                                 : else error
02FE
        DB B9
                                        in
                                                a, (rport1)
                                                                 : load cntlr status bits
0300
        E6 E0
                                        and
                                                11100000b
                                                                 ; mask bit 5,6,7. Hard disk exist ?
0302
        20 20
                                                nz, puts01
                                                                 ; no, then put system to floppy disk
                                        Jr
0304
        11 0182
                                        ld
                                                de, inimsq
                                                                 ; D.E = initial message
0307
        CD 041C
                                        call
                                                printst
                                                                 : print it
030A
                               puts0:
030A
        CD 040B
                                       call
                                                cinout
                                                                 ; wait one char.
030D
        FE 20
                                                                 : ( , , ,
                                       CD
        38 F9
030F
                                        Jr.
                                                c. puts0
                                                                 ; yes, ignore
0311
        CB AF
                                                5, a
                                                                 : convert up-case
                                        res
0313
        FE 45
                                                2 F 2
                                        CO
                                                                 : floopy disk ?
0315
        28 OD
                                                                 : yes, then go to fdd system put
                                        Jr.
                                                z, puts01
0317
        FE 48
                                        CD
                                                7 H7
                                                                 : hard disk ?
        3E 00
0319
                                       1d
                                                                 ; set put to wdd
                                                a, 0
031B
        28 09
                                       Jr
                                                z, puts2
                                                                 : continue
031D
                               invalid:
031D
        1E 08
                                       ld
                                                e, backso
                                                                 : back space char.
031F
        CD 0417
                                       call
                                                coutput
                                                                 ; printst it
0322
        18 E6
                                       Jr
                                                puts0
0324
                               puts01:
0324
        3E 01
                                       ld
                                                                 ; set put to floopy
                                                a, i
0326
                               puts2:
0326
        32 02AC
                                       ld
                                                (putflag), a
                                                                 ; set put system flag (0 = hard, 1 = floopy)
0329
                               puts2.1:
0329
        11 01CE
                                        ld
                                                de, sizemso
                                                                 ; D.E = size message
032C
        CD 041C
                                       call
                                                printst
                                                                 : print it
032F
        CD 0421
                                       call
                                                stringut
                                                                 : wait two char.
0332
        11 0280
                                       ld
                                                de, conbuff+1
                                                                 : point to # char
0335
        1A
                                        1d
                                                a, (de)
                                                                 ; get #
0336
        FE 02
                                       CD
                                                                 : 2 char
0338
        20 EF
                                                                 : no, ignore
                                        11
                                                nz. puts2. 1
033A
        13
                                        inc
                                                de
                                                                 : point to char
033B
        1A
                                        ld
                                                a. (de)
                                                                 : cet 1' char.
033C
        32 02BC
                                       10
                                                (fcb+4), a
                                                                 : put to fcb
033F
        13
                                        inc
                                                                 ; point to 2'
                                                de
0340
        10
                                        ld
                                                a, (de)
                                                                 ; get 2' char.
0341
        32 02BD
                                        10
                                                (fcb+5), a
                                                                 ; put to feb
0344
        CD 042E
                                       call
                                                open
                                                                 : open SYSxx.OVR
0347
        3C
                                        inc
                                                                 ; successful ?
0348
        20 1C
                                                nz, puts3
                                                                 ; yes, then count
                                       Jr
034A
                               nofile:
034A
        11 0263
                                       ld
                                                de, nofilmso
                                                                ; D.E = no file message
```

034D	CD 041C	call	printst	; print it
0350	3E 24	ld	a, '\$'	; \$ = string terminator
0352	32 02C4	ld	(fcb+12), a	; put it at end of fcb
0355	11 0289	ld	de, fcb+1	; point top char. of fcb
0358	18 03	J.F	err	; print & return to cp/m
035A		BadVer:		
035A	11 0106	ld	de, No4. 2	: No 4.2 Eprom
035D		err:		
035D	CD 041C	call	printst	; print fcb+1
0360	CD 0410	call	crlf	print cr & lf
0363	C3 0000	Jp	0	return to cp/m
		page		
		1// -77		

```
0366
                               outs3:
0366
        06 3A
                                                b, 2+44+12
                                                                 ; IPL+(ccp+bdos)+bios sector count
                                        ld
0368
        11 0446
                                                de, combuff
                                                                 ; load cp/m buffer
0368
                               outs4:
036B
                                                (comdat), de
        ED 53 02AD
                                        ld
036F
        C5
                                        oush
                                                bc
                                                                   save counter
        CD 0429
0370
                                        call
                                                SetDma
                                                                 ; set new dma
0373
        CD 043E
                                        call
                                                fread
                                                                 : read next sector
0376
                                        or
                                                                   successful ?
0377
        20 11
                                        11
                                                nz, rderr
                                                                 ; no, then error
0379
        2A 02AD
                                        ld
                                                hl, (comdat)
                                                                 ; get old dma address
037C
        11 0080
                                        ld
                                                de, 128
                                                                 ; cp/m sector size
037F
        19
                                        add
                                                hl.de
                                                                 : new dma
0380
        EB
                                        ex
                                                de, hl
                                                                 : de = next dma addrs
0381
                                        pop
                                                bc
                                                                 : restore counter
0382
        10 E7
                                        djnz
                                                puts4
                                                                 ; loop for all
0384
                               puts50:
0384
        CD 0436
                                        call
                                                close
                                                                 : close file SYSxx. OVR
0387
        30
                                        inc
                                                                 : successful ?
                                                5
0388
        20 16
                                                nz, puts6
                                                                 ; yes, then count
                                        35
038A
                               rderr:
038A
        11 0278
                                        ld
                                                de, errmso
                                                                 : print error
038D
        CD 041C
                                        call
                                                orintst
                                                                 ; message and
0390
        11 014B
                                        ld
                                                de, setnew
                                                                 ; set new message
0393
        CD 041C
                               PrMso:
                                       call
                                                printst
                                                                 : print it
0396
                               waiter:
0396
        CD 040B
                                        call
                                                cinput
                                                                 ; wait a key
0399
        FE OD
                                        CD
                                                Cr
                                                                 ; cr ?
        20 F9
039B
                                                nz, waiter
                                                                 ; no, ionore
                                        JP
039D
        C3 F021
                                                                 : A()O, boot from floppy
                                        JP
                                                bootrom
03A0
                               puts6:
                                        ; at this point, IPL + cp/m has been loaded in cp/m buffer
03A0
        3A 02AC
                                        ld
                                                a, (putflag)
                                                                 : load out system flag
03A3
        B7
                                        or
                                                                 : test for hard or for floppy
03A4
        20 12
                                                                 ; no zero, then go to fdd put system
                                        35
                                                nz, fddput
                                        page
```

03A6

03A6

03A9

03AC

03AF

03B2

03B3

03B5

CD F018

21 02EF

CD FOIB

11 0127

20 DE

C3 03FF

B7

```
** W D D P U T
          Put IPL + CP/M in Hard Disk 0
wddput:
     ; put new cp/m in hard disk
     call wdini
                      ; initialize wdd
     ld
           hl, PutTab
                      ; H.L = wdd put system table
     call
           wdio
                      ; write co/m
     ld
           de, wdfatmso
                      ; Hard Msg Pointer
     or
           a
                      ; error occurs ?
                      ; yes, then go to error
     15
           nz, PrMsg
     JP
           EndPut
                      ; done, go to boot
```

```
* FDDPUT
                                               Put IPL + CP/M in Floopy Disk O
                               **
                               03B8
                              fddput:
        11 0224
                                       ld
                                               de, fdrdymsg
                                                               : DE = fdd ready message
03B8
                                                               : print it
        CD 041C
                                       call
                                               orintst
03BB
        CD 040B
                                               cinout
                                                               : wait one char.
                                       call
03BE
                                               , C, -, 6,
03C1
        FE 03
                                       CD
                                                               : is cotrl C ?
        28 3A
                                                               ; yes, then exit
0303
                                               z, endfddout
                                       Jr
                                                                : clear accumulator
        AF
03C5
                                       xor
                                                                : set track 0
                                               (PutTrk), a
0306
        32 02F0
                                       ld
        21 0446
                                       ld
                                               hl,combuff
                                                               : HL = co/m buffer top adrs
0309
                                                                : set dma to co/m buff top adrs
03CC
        22 02F3
                                       ld
                                               (PutDma), hl
03CF
                               fddpu0:
03CF
        11 02E4
                                                                : DE = sector translate table
                                       ld
                                               de, xlt
03D2
                               fddou1:
                                                                : load physical sector
0302
        1A
                                       ld
                                               a, (de)
                                                                : end track ?
        FE FF
                                               255
03D3
                                       cp
                                                                ; yes, then point to next track
0305
        28 1B
                                               z. nextrk
                                       Ir
        32 02F2
                                               (PutSec), a
                                                                : set sector number
03D7
                                       ld
                                                                : HL = fdd put system table
        21 02EF
                                       ld
                                               hl. PutTab
03DA
                                                                ; save xlt pointer
OZDD
                                       oush
        CD F015
                                               fdiod
                                                                : write/one sector
03DE
                                       call
                                                                ; error occurs ?
03E1
                                                                : restore xlt pointer
                                               de
03E2
        D1
                                       DOD
                                                                ; yes, then go to error
03E3
        20 A5
                                               nz. rderr
                                       11
                                               hl. (PutDma)
                                                                : load currently dma adrs
03E5
        2A 02F3
                                       ld
                                                                : BC = sector size
03E8
        01 0100
                                       ld
                                               bc, 256
                                                                : point to next dma adrs
03EB
                                       add
                                               hl, bc
                                                                : set next dma adrs
03EC
        22 02F3
                                       1d
                                                (PutDma), hl
                                                                : inc. xlt pointer
                                       inc
03EF
        13
                                                                : count for next sector
03F0
        18 E0
                                       Jr
                                                fddpul
03F2
                               nextrk:
                                                                ; load currently track number
                                                a, (PutTrk)
03F2
        3A 02F0
                                       ld
                                                                : point to next track
03F5
                                       inc
                                                                : set next track number
        32 02F0
                                       1d
03F6
                                                (PutTrk).a
03F9
        FE 03
                                       CP
                                                3
                                                                : all three track are written ?
                                                                : no, then write next track
03FB
        20 D2
                                                nz, fddpu0
                                       35
                                                                ; and count for another disk
                                                fddout
03FD
        18 B9
                                       11
03FF
                               endfddput:
03FF
                               EndPut:
                                        : new co/m has been written on Hard or floppy disk
                                                                : load cotlr status bits
        DB B9
                                                a. (rport1)
03FF
                                       in
        E6 E0
                                                                ; mask bit 5,6,7. Hard disk exist ?
                                                11100000ь
0401
                                        and
                                                                ; yes, then reload system to hard disk
        CA F021
                                                z, bootrom
0403
                                        10
                                                                 ; flag for load cp/m to floppy
0406
        3E 01
                                        ld
                                                a, 1
                                                                : jump to boot rom
        C3 F021
                                                bootrom
0408
                                        JP
```

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Table 1-14 Studio Lg, General - Last rev 15/08/1984 10-40

page

```
BDOS FUNCTIONS
                         040B
                         cinput: ; Console input in A reg
       0E 01
040B
                                ld
                                      c, being
      C3 0005
0401)
                                      bdos
                                JD
0410
                         crlf:
                                ; Print Cr, Lf
0410
       1E OD
                                ld
                                      e, cr
0412
      CD 0417
                               call
                                      coutput
0415
      1E OA
                               ld
                                      e, lf
0417
                         coutput:
                                ; Print Char in A reg
0417
      0E 02
                                ld
                                      c, bcout
0419
      C3 0005
                                10
                                      bdos
041C
                         printst:; Print string pointed by DE
041C
      0E 09
                               ld
                                      c, bprint
      C3 0005
041E
                                      bdos
                               10
0421
                         stringut: ; Read input from console (DE.)
0421
      11 02AF
                               ld
                                      de, conbuff
0424
      OE OA
                               ld
                                      c, bstrinp
0426
      C3 0005
                                      bdos
                                JP
                               page
```

			;			
			; *** D:	isk Fun	ctions ***	
			•			
0429			SetDma:	; Set	DMA add from DE	
				7		
0429	0E			ld	c, dma	
042B	C3	0005		Jb	bdos	
			;			
042E			open:	; Open	File (DE.FCB)	
				•		
042E		02B8		ld	de, fcb	
0431	0E			ld	c, bopen	
0433	C3	0005		Jp	bdos	
			*			
0436			close:	; Clos	e File (DE.FCB)	
				*		
0436		02B8		ld	de, fcb	
0439	0E	10		ld	c, bolose	
043B	C3 (0005		JP	bdos	
			7			
043E			fread:	; Read	Seq (DE.FCB)	
043E	11 1	0288		1d	de, fcb	
0441	OE :	14		ld	c, bread	
0443	C3 (0005		30	bdos	
			:			
			:			
0446			combuff	eau	\$; space for IPL+(ccp+bdos)+bios
			:			
			:			
				end	100h	end of this program

Macros:

Symbols	1							
BACKSP	0008	BADVER	035A	BCINP	0001	BCLOSE	0010	
BCGUT	0002	BDOS	0005	BELL	0007	BOOTRO	F021	
BOPEN	000F	BPRINT	0009	BREAD	0014	BSTRIN	000A	
CIN	F003	CINPUT	040B	CLOSE	0436	COMPFL	F02D	
CONBUF	02AF	COPYRI	0000	COUT	F006	COUTPU	0417	
CPMBUF	0446	CPMDAT	02AD	CR	000D	CRLF	0410	
CSTS	F009	DMA	001A	ENDFDD	03FF	ENDMSG	0024	
ENDPUT	03FF	ERR	035D	ERRMS6	0278	FALSE	0000	
FCB	02B8	FDDPUO	03CF	FDDPU1	03D2	FDDPUT	03B8	
FDIOD	F015	FDIOS	F012	FDRDYM	0224	FFEED	3000	
FLASH	0043	FREAD	043E	INIMSG	0182	INVALI	031D	
LF	000A	LOUT	F00C	LSTS	F00F	MOVCUR	F027	
NEXTRK	03F2	NO4.2	0106	NOFILE	034A	NOFILM	0263	
NORM	0040	OPEN	042E	PFX	0013	PRINT	F01E	
PRINTA	F024	PRINTS	041C	PRMSG	0393	PUTDMA	02F3	
PUTFLA	02AC	PUTS0	030A	PUTS01	0324	PUTS2	0326	
PUTS2.	0329	PUTS3	0366	PUTS4	036B	PUTS50	0384	
PUTS6	03A0	PUTSEC	02F2	PUTSYS	02F7	PUTTAB	02EF	
PUTTRK	02F0	RDERR	038A	REVER	0048	ROM	F000	
RPORT1	00B9	SETDMA	0429	SETNEW	0148	SIZEMS	01CE	
SPACE	0020	STACK	02AC	STRINP	0421	STROUT	F01E	
TAB	0009	TRUE	0001	VERS	0011	VIDINI	F02A	
WAITER	0396	WDDPUT	03A6	WDFATM	0127	WDINI	F018	
MDIO	F01B	XLT	02E4					

No Fatal error(s)