```
                     .DO       Internal
                     .LSTON
                     .Page
                     .FIN

                     .ORG      $1000 ;move this code into the eprom

                     .DO       SystemCode
DevSubType           .Equ      $00 ;system device
                     .ELSE
DevSubType           .Equ      $01 ;diagnostic device
                     .FIN

                     .BLOCK    0,2    ;reserve two bytes for the checkbyte
                     .DB       0       ;bank 0
PassWord:            .DB       $F0, $78, $3C, $1E

                     .DO       W_10MB
FmtDelay:            .DB       $1F         ;busy wait for a while
                     .ELSE
FmtDelay:            .DB       $1F
                     .FIN

                     .DO       W_10MB
RWI_Cylinder         .Equ      257         ;cylinder at which to turn on RWI and PC
                     .FIN
                     .DO       W_20MB
RWI_Cylinder         .Equ      257         ;cylinder at which to turn on RWI and PC
                     .FIN
                     .DO       W_40MB
RWI_Cylinder         .Equ      514         ;cylinder at which to turn on RWI and PC
                     .FIN
RWI_Value:           .DB       .HIBYTE. RWI_Cylinder, .LOWBYTE. RWI_Cylinder

B0_VctTab:
Start_Vector:        Jp        Start_Command
LL_Vector:           Jp        Load_Logical
LH_Vector:           Jp        Load_Header
RdL_Vector:          Jp        Rd_Leave
CS_Vector:           Jp        ClrNormStat

LdPw_Vector:         Ld        !r2,#.HIBYTE. Load_PassWord
                     Ld        !r3,#.LOWBYTE. Load_PassWord
                     Call      Bank_Call
                     Ret

Free_Vector:         Ld        !r2,#.HIBYTE. Strt_FreeProcess
                     Ld        !r3,#.LOWBYTE. Strt_FreeProcess
                     Call      Bank_Call
                     Ret

ExtStk_Vector:       Ld        !r2,#.HIBYTE. Init_ExtStack
                     Ld        !r3,#.LOWBYTE. Init_ExtStack
                     Call      Bank_Call
                     Ret

ZrRd_Vector:         Ld        !r2,#.HIBYTE. Zero_RdBuf
                     Ld        !r3,#.LOWBYTE. Zero_RdBuf
                     Call      Bank_Call
                     Ret

ClrStat_Vector:      Ld        !r2,#.HIBYTE. ClearStatus
                     Ld        !r3,#.LOWBYTE. ClearStatus
```

```
                     Call    Bank_Call
                     Ret

SlfTst_Vector:       Ld      !r2,#.HIBYTE. SelfTest
                     Ld      !r3,#.LOWBYTE. SelfTest
                     Call    Bank_Call
                     Ret

SprTbl_Vector:       Ld      !r2,#.HIBYTE. Load_SprTbl
                     Ld      !r3,#.LOWBYTE. Load_SprTbl
                     Call    Bank_Call
                     Ret

LC_Vector:           Ld      !r2,#.HIBYTE. Load_Cache
                     Ld      !r3,#.LOWBYTE. Load_Cache
                     Call    Bank_Call
                     Ret

Scan_Vector:         Ld      !r2,#.HIBYTE. D_Scan
                     Ld      !r3,#.LOWBYTE. D_Scan
                     Call    Bank_Call
                     Jp      Rd_Leave

IScan_Vector:

                     Ld      !r0,#DevSubType ;check for SystemCode
                     Or      !r0,!r0 ;IF SystemCode THEN DevSubType = 0
                     Jr      Nz,IScan_Ret
                     Tm      Excpt_Stat,#PwrRst ;only do scan after power reset
                     Jr      Z,IScan_SprChk
                     Ld      !r2,#.HIBYTE. Scan
                     Ld      !r3,#.LOWBYTE. Scan
                     Call    Bank_Call
IScan_SprChk:        Ld      !r2,#.HIBYTE. Chk_SprCnt
                     Ld      !r3,#.LOWBYTE. Chk_SprCnt
                     Call    Bank_Call
IScan_Ret:           Ret

WrBlk_Vector:        Call    WriteBlock
VctrB0_Ret:          Jp      Bank_Ret

RdBlk_Vector:        Call    ReadBlock
                     Jr      VctrB0_Ret

SC_Vector:           Call    Srch_Cache
                     Jr      VctrB0_Ret

Seek_Vector:         Ld      !r2,#.HIBYTE. Seek
                     Ld      !r3,#.LOWBYTE. Seek
                     Call    Bank_Call
                     Jp      Bank_Ret

ExtPush_Vector:      Ld      !r2,#.HIBYTE. Ext_Push
                     Ld      !r3,#.LOWBYTE. Ext_Push
                     Call    Bank_Call
                     Ret

ExtPop_Vector:       Ld      !r2,#.HIBYTE. Ext_Pop
                     Ld      !r3,#.LOWBYTE. Ext_Pop
                     Call    Bank_Call
                     Ret

DeviceParams:
                     .DO     W_10MB
```

```
          .ASCII   'Widget-10     '
          .DB      $00, $01, $0 + DevSubType
          .DB      HiRevNumber, LoRevNumber
          .DB      $00, $4C, $00
          .DW      532 ;number of bytes per block
          .DW      514 ;number of cylinders is 514
          .DB      $02       ;number of heads is 2
          .DB      NbrSctrs
          .DB      $00, $00, 76 ;number of spare possible
          .LSTOFF
          .FIN
          .DO      Internal
          .LSTON
          .FIN
          .DO      W_20MB
          .ASCII   'Widget-20     '
          .DB      $00, $01, $10 + DevSubType
          .DB      HiRevNumber, LoRevNumber
          .DB      $00, $98, $00
          .DW      532 ;number of bytes per block
          .DW      514 ;number of cylinders is 514
          .DB      $02       ;number of heads is 2
          .DB      NbrSctrs
          .DB      $00, $00, 76 ;number of spare possible
          .LSTOFF
          .FIN
          .DO      Internal
          .LSTON
          .FIN
          .DO      W_40MB
          .ASCII   'Widget-40     '
          .DB      $00, $01, $20 + DevSubType
          .DB      HiRevNumber, LoRevNumber
          .DB      $01, $30, $00
          .DW      532 ;number of bytes per block
          .DW      1028 ;number of cylinders is 1028
          .DB      $02       ;number of heads is 2
          .DB      NbrSctrs
          .DB      $00, $00, 76 ;number of spare possible
          .LSTOFF
          .FIN
          .DO      Internal
          .LSTON
          .FIN

Dev_Parm_Len   .Equ    .PC. - DeviceParams

          .LSTOFF
```