


```

    Ld    !r2,*.HIBYTE. SpareCount
    Ld    !r3,*.LOWBYTE. SpareCount
    Call  Bank_Call
    Jr    S_Blk_End

S_Blk_Rpt:    Call  Load_Logical
              Call  Spr_Enter
              Jr    Nz,S_Blk_End

              Cp    !r0,*Error+Ex_ReadErr ;check for sparing threshold
              Jr    Nz,S_Blk_Rpt

S_Blk_End:    Jp    Bank_Ret

              .Page

Spr_Enter:    Call  Get_Spr_Code
              Cp    !r0,*S_Block
              Jr    Nz,S_Blk_New

              Call  ExtPush_Vector
              Call  SrchSpTabl
              Push  !r1                ;save possible ptr to element
              Push  Flags
              Call  ExtPop_Vector
              Pop   Flags
              Pop   !r1
              Jr    Nz,S_Blk_Unuse

              Call  Abort

S_Blk_Unuse:  Ld    !r0,!r1
              Call  Get_Ptr
              Lde   !r0,@!!r2 ;Element.Useable := False
              And   !r0,*$FF-Useable
              Lde   @!!r2,!r0

S_Blk_New:    Ld    !r0,*Inc_SprCnt
              Ld    !r2,*.HIBYTE. SpareCount
              Ld    !r3,*.LOWBYTE. SpareCount
              Call  Bank_Call

              And   BIKStat,*$FC ;mask out the SpareCode stuff
              Or    BIKStat,*S_Block

              Call  GetNewSpare
              Ld    !rF,!r0
              Ld    !r8,*Spare
              Call  AddSpare

              Ld    Seek_Type,*Access_Offset

              Ld    !r0,!rF ;get Location back
              Inc   !r0 ;count 1..76
              Ld    !r2,*.HIBYTE. MuIRO_m
              Ld    !r3,*.LOWBYTE. MuIRO_m
              Call  Bank_Call
              Ld    !r2,*.HIBYTE. Get_Cyl_HLS
              Ld    !r3,*.LOWBYTE. Get_Cyl_HLS
              Call  Bank_Call
              Ld    !r0,!rF
              Ld    !r2,*.HIBYTE. ReMap_Sector
              Ld    !r3,*.LOWBYTE. ReMap_Sector

```

```

Call Bank_Call
Ld !rF,!r0
Call Seek_Vector

Cp DataType,#User_type
Jr Z,Spr_LdBuf2

Ld !r2,#.HIBYTE.SprChkSum ;calculate new checkbyte
Ld !r3,#.LOWBYTE.SprChkSum
Call Bank_Call
Ld !r2,#.HIBYTE.Spr_To_WrBuf
Ld !r3,#.LOWBYTE.Spr_To_WrBuf
Jr Spr_LdWrBuf

Spr_LdBuf2: Ld !r2,#.HIBYTE.Buf2_To_WrBuf
Ld !r3,#.LOWBYTE.Buf2_To_WrBuf
Spr_LdWrBuf: Call Bank_Call

Call WrVer_Common
Jp Bank_Ret

.LSTOFF

```