```
                                IDENT    COPYFV                                                    ASM 7.1
                        *
                        *
                        *** COPY FLOPPY PROGRAM   DRIVE 0  TO  DRIVE 1  ***
                        *   WITH VERIFY
                        *
                        *
                        *
                        *IT TAKES ABOUT 15 MIN. TO COPY AND VERIFY A COMPLETE FLOPPY
                        *
                        *
                        * HARDWARE CHANNEL!
                        * INHIBIT MODE!
                        *
                        *
        0000            ZERO     EQU      *
        0003            DA0      EQU      /03                 DEVICE ADDRESS 0
        0013            DA1      EQU      /13                 DEVICE ADDRESS 1
        0006            ER1      EQU      /6                  FIRST EXTERNAL REGISTER
        0007            ER2      EQU      /7                  SECOND EXTERNAL REGISTER
                        *
                        *
                        *  MAIN PROGRAM
                        *
                        *
                                 RORG     ZERO+/1FE
01FE 207F               START    HLT
0200 20BF                        INH                          INHIBIT INTERRUPTS
0202 8120 8040                   LDKL     A1,/8040            FIRST CONTROL WORD,READ
0206 8220 026A R                 LDKL     A2,BUF1             SECOND CONTROL WORD
020A 0300                        LDK      A3,0                CIO START READ,SEG=0, N=0
020C 8420 C040                   LDKL     A4,/C040            FIRST CONTROL WORD, WRITE
0210 0505                        LDK      A5,5                CIO START WRITE/VERIFY, SEG=0, N=0
0212 0606                        LDK      A6,6                CIO START WRITE DAM/VERIFY, SEG=0, N=0
0214 80A0 64DD                   LDKL     A8,/64DD            READ-ERROR MASK
0218 81A0 669D                   LDKL     A9,/669D            WRITE-ERROR  MASK
021C 82A0 0800                   LDKL     A10,/0800           DAM MASK
0220 7106               IOP      WER      A1,ER1              WRITE EXTERNAL REGISTER
0222 7207                        WER      A2,ER2              WRITE EXTERNAL REGISTER
0224 43C3               READ     CIO      A3,1,DA0            START READ,DRIVE 0
0226 5C04                        RB(4)    READ
0228 4FC3               STATRD   SST      A7,DA0              GET STATUS IN A7
022A 5C04                        RB(4)    STATRD              BUSY-WAIT
022C A703                        TM       A7,A8               CHECK STATUS
022E 8C20 025E R                 ABL(4)   ERR1                STATUS ERROR-A7
0232 7406                        WER      A4,ER1              WRITE EXTERNAL REGISTER
0234 7207                        WER      A2,ER2              WRITE EXTERNAL REGISTER
0236 A70B                        TM       A7,A10              DAM?
0238 8C20 0262 R                 ABL(4)   DAM                 YES-GO TO WRITE DAM
023C 45D3               WRITE    CIO      A5,1,DA1            NO-WRITE DRIVE 1
023E 5C04                        RB(4)    WRITE
0240 4FD3               STATWR   SST      A7,DA1              GET STATUS IN A7
0242 5C04                        RB(4)    STATWR              BUSY-WAIT
0244 A707                        TM       A7,A9               CHECK STATUS
0246 8C20 0260 R                 ABL(4)   ERR2                STATUS ERROR-A7
024A EB20 3C18                   CWK      A3,/3C18            LAST SEGMENT?
024E 5404                        RF(4)    INCR                NO-GO TO INCREMENT
```

```
0057 0250 8F20 01FE R          ABL     START       YES-END OF COPY
0058 0254 1308         INCR    ADK     A3,/8       INCREMENT SEG. NUMBER, READ
0059 0256 1508                 ADK     A5,/8       INCREMENT SEG. NUMBER, WRITE
0060 0258 1608                 ADK     A6,/8       INCREMENT SEG. NUMBER, WRITE DAM
0061 025A 8F20 0220 R          ABL     IOP         READ NEXT SEGMENT
0062 025E 207F         ERR1    HLT                 STATUS ERROR AFTER READ
0063 0260 207F         ERR2    HLT                 STATUS ERROR AFTER WRITE
0064 0262 46D3         DAM     CIO     A6,1,DA1    WRITE DAM DRIVE 1
0065 0264 5C04                 RB(4)   DAM
0066 0266 8F20 0240 R          ABL     STATWR      CHECK STATUS AFTER WRITE
0067 026A              BUF1    RES     /40         DATA BUFFER
0068                           END     START
```