```
                          listingFile_WithErrors.txt
          ** MISSING START DIRECTIVE **
0       140030FIRST   STL    RETADR              SAVE RETURN ADDRESS
3       481039CLOOP   JSUB   RDREC               READ INPUT RECORD
6       000033        LDA           LENGTH           TEST FOR EOF (LENGTH = 0)
9       28002D        COMP   ZERO
C       300000        JEQ    ENDFIL              EXIT IF EOF FOUND
F       480000        JSUB   WRREC               WRITE OUTPUT RECORD
12      3C0003        J      CLOOP               LOOP
          ** ILLEGAL LABEL **
18      0C0039        STA    BUFFER
1B      000000        LDA    THREE               SET LENGTH = 3
1E      0C0033        STA    LENGTH
21      480000        JSUB   WRREC               WRITE EOF
24      080030        LDL    RETADR              GET RETURN ADDRESS
27      4C0000        RSUB                        RETURN TO CALLER
          ** ILLEGAL DATA STORAGE DIRECTIVE **
2A      000003  DUPLICATE   WORD     3
2D      000000  ZERO    WORD     0
30              RETADR  RESW     1
33              LENGTH  RESW     2                    LENGTH OF RECORD
39              BUFFER  RESB     4096          4096-BYTE BUFFER AREA
.
.       SUBROUTINE TO READ RECORD INTO BUFFER
.
1039    04002DRDREC   LDX    ZERO                CLEAR LOOP COUNTER
103C    00002D        LDA    ZERO                CLEAR A TO ZERO
103F    E00000RLOOP   TD     INPUT               TEST INPUT DEVICE
1042    30103F        JEQ    RLOOP               LOOP UNTIL READY
1045    D80000        RD     INPUT               READ CHARACTER INTO REGISTAR A
1048    28002D        COMP   ZERO                TEST FOR END OF RECORD (X'00')
104B    301057        JEQ    EXIT                EXIT LOOP IF EOF
104E    540000        STCH   BUFFER,X            STORE CHARCTER IN BUFFER
1051    2C105D        TIX    MAXLEN              LOOP UNLESS MAX LENGTH
1054    38103F        JLT    RLOOP               HAS BEEN REACHED
1057    100033EXIT    STX    LENGTH              SAVE RECORD LENGTH
105A    4C0000        RSUB                        RETURN TO CALLER
          ** ILLEGAL OPERATION **
105D    001000  MAXLEN  WORD     4096
.
.       SUBROUTINE TO WRITE RECORD FROM BUFFER
.
          ** DUPLICATE LABEL **
1063    E08078WLOOP   TD     OUTPUT              TEST OUTPUT DEVICE
1066    301063        JEQ    WLOOP               LOOP UNTIL READY
1069    500000        LDCH   BUFFER,X       GET CHARCTER FROM BUFFER
106C    DC8078        WD     OUTPUT              WRITE CHARACTER
106F    2C0033        TIX    LENGTH              LOOP UNTIL ALL CHARACTERS
1072    381063        JLT    WLOOP               HAVE BEEN WRITTEN
```

```
1075                             RESB    4096
2075            TOOLONG          RESB    4096
3075                             RESB    4096
4075                             RESB    4096
5075                             RESB    4096
6075                             RESB    4096
7075                             RESB    4096
        ** PROGRAM TOO LONG **
        ** PROGRAM TOO LONG **
        ** PROGRAM TOO LONG **
```