



Tech Info Library

BASIC: APPEND fix (1 of 2)

Revised: 11/15/84
Security: Everyone

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Yes! There is an APPEND fix! The following four short test programs illustrate the problem. The run command and a short explanation precedes each code.

1. RUN TEST1,D1

This puts a file called 'JUNK' onto the disk in drive 1 with exactly 255 bytes.

```
10 REM TEST1
20 D$ = CHR$(4)
30 PRINT D$;"OPEN JUNK"
40 PRINT D$;"WRITE JUNK"
50 FOR L = 1 TO 8
60 FOR M = 1 TO 29
70 PRINT "A";
80 NEXT M
90 PRINT "A"
100 NEXT L
110 FOR L = 1 TO 5
120 PRINT "A";
130 NEXT L
140 PRINT "A"
150 PRINT D$;"CLOSE"
160 END
```

2. RUN TEST2

This reads the file 'JUNK' and prints it onto your CRT.

```
10 REM TEST2
20 D$ = CHR$(4)
30 PRINT D$;"OPEN JUNK"
40 PRINT D$;"READ JUNK"
50 FOR L = 1 TO 9
60 INPUT ST$
70 PRINT ST$
80 NEXT L
```

```
90 PRINT D$;"CLOSE"
100 END
```

3. RUN TEST3

This attempts to APPEND to the file 'JUNK' the message "THIS IS A TEST".

```
10 REM TEST3
20 D$ = CHR$(4)
30 PRINT D$;"APPEND JUNK"
40 PRINT D$;"WRITE JUNK"
50 PRINT "THIS IS A TEST"
60 PRINT D$;"CLOSE"
70 END
```

4. RUN TEST4

This reads and displays the file 'JUNK' which should now have a last line reading "THIS IS A TEST".

```
10 REM TEST4
20 D$ = CHR$(4)
30 PRINT D$;"OPEN JUNK"
40 PRINT D$;"READ JUNK"
50 FOR L = 1 TO 10
60 INPUT ST$
70 PRINT ST$
80 NEXT L
90 PRINT D$;"CLOSE"
100 END
```

If the APPEND does not take, the display reads an END OF DATA.

Apple supplied the following fix answer to software developers in August, and they have been using it since November, 1983.

"early 1983"	after November, 1983
-----	-----
B683:4C 84 BA JMP \$BA84	B683:4C B3 B6 JMP \$B6B3
\$B6B3-B6CE:ALL ZEROS	B6B3:AD BD B5 LDA \$B5BD
	B6B6:8D E6 B5 STA \$B5E6
	B6B9:8D EA B5 STA \$B5EA
	B6BC:AD BE B5 LDA \$B5BE
	B6BF:8D E7 B5 STA \$B5E7
	B6C2:8D EB B5 STA \$B5EB
	B6C5:8D E4 B5 STA \$B5E4
	B6C8:BA TSX
	B6C9:8E 9B B3 STX \$B39B
	B6CC:4C 7F B3 JMP \$B37F
\$BA84-BA93:PATCH	BA84-BA93:ALL ZEROS

The patch put at \$BA84 has been moved down to \$B6B3, and four extra lines have been added to that patch. Initialize a new diskette after making the above

patch and reboot the system. You can then sucessfully run the test programs above.

Apple Technical Communications

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