

26-3334

## Color Computer 3 512K Expansion RAM Card Installation Guide

The 512K Expansion RAM Card adds 512K of Random Access Memory to the Color Computer 3. For installation, follow the procedures below.

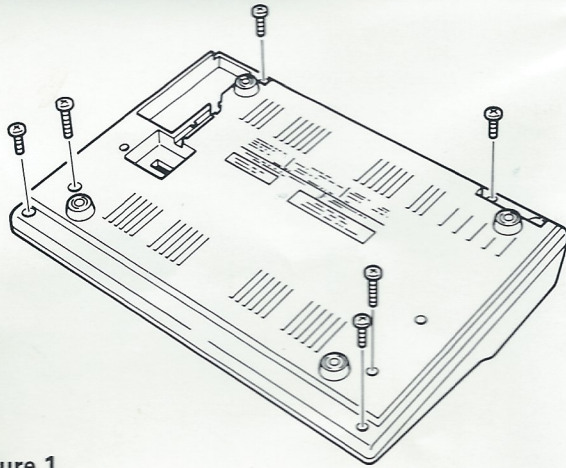


Figure 1

1. Unplug the Color Computer 3 from AC Power.
2. Turn the Color Computer 3 over and place it on a soft surface to prevent damage to the keyboard or top cover.
3. Loosen and remove the six screws which attach the base to the top cover (Figure 1).

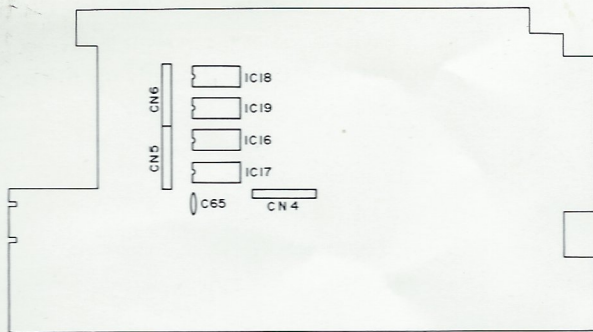


Figure 2

4. While holding the top cover in place, turn the computer back over. Then lift up the top cover to remove it.
5. Remove four ICs (IC16–IC19) from the IC socket of the Color Computer's PCB (Figure 2). Unsolder the C65 82pF ceramic capacitor and remove it.

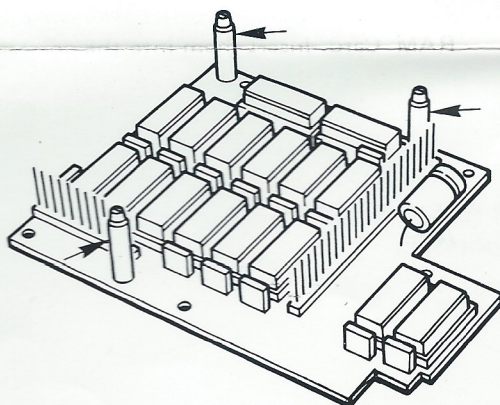


Figure 3

6. Three nylon stand-offs are packaged with the RAM Card. Insert them into the corresponding holes of the RAM Card (Figure 3).
7. Align the pin sockets of the RAM Card over CN4 through CN6. Then slowly lower the Card.
8. Snap each stand-off into its corresponding hole on the computer PCB.



9. Plug in the computer's AC cord and connect the signal cables to a TV/monitor. Run the test program to verify proper operation of the new memory chips.
10. Replace the top cover. Turn the computer over and reinsert the six screws previously removed. Tighten these screws securely.
11. Turn the Color Computer 3 over again and it is ready for use.

**<TEST PROGRAM>**

```
10 WIDTH 40: PALETTE 0,0: PALETTE 7,63: CLS8
20 POKE&HFFD9,0
30 FOR A=&H00000 TO &H5FFFF STEP 512
40 D=RND(255)
50 LPOKE A,D
60 B=LPEEK(A)
70 LOCATE 10,2: PRINT"ADDRESS=";A
80 LOCATE 10,4: PRINT"DATA=";D
90 IF B<>D THEN 130
100 NEXT A
110 LOCATE 10,10: PRINT"RAM TEST IS GOOD!"
120 POKE&HFFD8,0: END
130 LOCATE 10,6: PRINT"ERROR!"
140 POKE&HFFD8,0: END
```

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