ACORN COMPUTER
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BBC COMPUTER SYSTEM

2C-7 SERIAL ULA AS REPLACEMENT FOR 2C-3ULA

This kit enables the latest -7 serial ULA to be used as a replacement for the previous -3 ULA. When the series 7 ULA is used it is no longer necessary to select on test the RC network R75, C28. The kit should contain:-

1 2C serial ULA
1 82K resistor

To fit this in place of a -3 ULA on all series of boards the following points should be followed.

1. If you have this kit and you are not an approved service centre or dealer and you are not fully confident of your ability to carry out the upgrade yourself, then it is in your interests to take your unit to an authorised dealer.

2. Before commencing any work on the computer, switch off and unplug the computer from the mains supply.

3. Open the computer in the normal manner by removing all fixing screws.

4. Remove the -3 ULA IC 7. This should be marked -3 or Mk3.

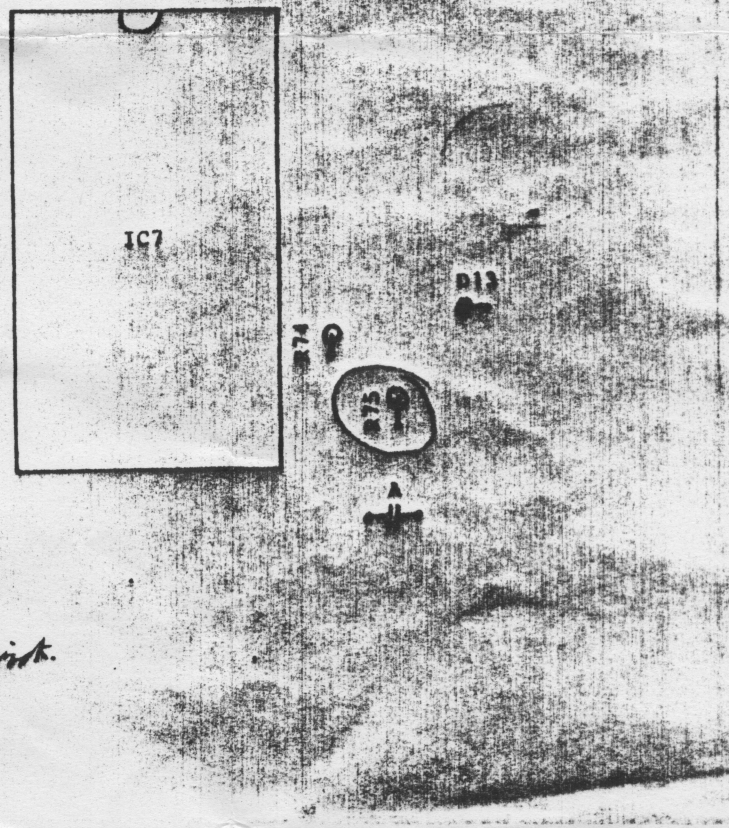
5. Check that C 28 is 4u7. This should be the case in all machines and will only have been changed if previous attempts have been made to correct faults in the use of the tape system.

6. Locate and replace R75 with the 82K resistor enclosed. On all board issues this is located adjacent to IC7 as shown below. This resistor is connected between IC7 pin 15 and 5V. The value of the resistor found in this location as used with a 2C-3 ULA will probably be between 47k and 100k.

7. Replace IC7 with the -7 ULA enclosed.

8. Replace the lid and all fixing screws.

9. Test the computer for correct tape operation by use of FIT tester and with a cassette recorder.



R. Hardwick.