

WARNING!

Your computer contains hazardous voltages so before removing any cover, switch off and disconnect the mains supply and in the case of the A3020 and A4000 read carefully the appendix 'Inside the computer' in the 'Welcome Guide'.



CAUTION!

OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.
Your computer and upgrade can be damaged by careless static discharge. Earth yourself and try to avoid touching any of the electronic circuitry.

SIMTEC ELECTRONICS

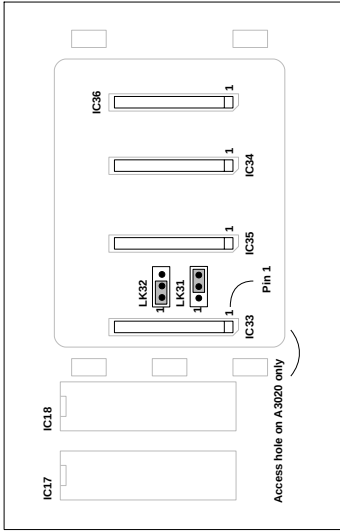
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Do not remove the memory upgrade from the protective foam until just before it is to be fitted to the computer. It is important that it is inserted the correct way round as failure to do so may cause damage. As the fitting of this upgrade is outside our control, no responsibility can be accepted for any consequential loss or damage caused by its incorrect installation. With the printed side of the chip uppermost, pin 1 is indicated by a small dot or chamfer at one end of the device. When fitting the memory, each chip should be lined up with the pin 1 marking as shown in the diagram and pushed home into its socket by pressing evenly along the entire top edge. All chips should be orientated in the same direction. Check to see that all of the pins are fully in the socket and are not bent or curled.

Fitting the upgrade kit to A3020 and A4000 Computers

Follow the instructions in Appendix E 'Inside the computer' in the Welcome Guide to gain access to the memory upgrade sockets. For the A3020, do not worry if you find that your computer is not fitted with a metal cover. The memory devices are insert into the sockets marked IC33, IC35, IC34 and IC36 making sure that they are the right way round. Move the cap on LK31 to position 2-3 and move the cap on LK32 to position 1-2. Follow the Welcome Guide to reassemble the computer.



Check Your A3020 Serial Number!

Due to a combination of circumstances, machines whose serial numbers fall within the range given below may exhibit problems when upgraded to 4Mb.

93 - AGB22 1040987 to 1041256, PCBs 1024200 to 1025700 and
93 - AGB23 1017689 to 1017838, 1018249 to 1018458, 1018488 to 1019447

If your machine falls within the above range then contact your dealer or Acorn Customer Services and request field change order 2036 for your machine. Arrangements will then be made for a PCB exchange to correct the fault free of charge.

Although the above range of machines are definitely affected, other machines may fall with random memory errors when upgraded. Machines should be treated as suspect if they have a resistor R110 of 68 Ohms (marked 680) and contain either an ARM250 processors with manufacturing date code from week 50 of 1993 onwards or NEC self-refresh memory with codes beginning µPD42S4260. If R110 has been changed to 33 Ohms (marked 330) then the change order has been performed. As the exchange of PCB may take some time, the FCO repair procedure may be performed in a few minutes by carefully soldering a 68 Ohm resistor across the ends of R110. This produces the same effect as the FCO without the need for complicated surface mount rework.

NOTE: Performing this repair may invalidate your guarantee.