PERMANENT MEMORY SYSTEMS
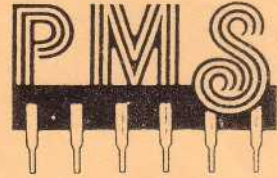
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Our ref

Your *ref*

Dear B2P User.

Date

It has come to our attention that a problem exists with the B2P
Second Processor, when used with certain BBC model B's. The problem
manifests itself by either the B2P failing to startup, or, once
the B2P has started, data stored in the B2P becoming corrupt.
Although the problem is mainly evident on the early issue BBC's (
issues 3 & 4), we strongly recomend that the modification be
performed on ALL BBC's, even if no obvious symptoms exist.

The technical reason behind this problem is complex, but it is
concerned with interference between the TUBE interface, and the
1MHz bus. This problem is unique to the B2P and was only tracked
very recently.

The good news is that the solution is very simple!

The modification entails removing a diode on the BBC main circuit
board. This modification requires no technical knowledge, and if
you are able to open the BBC case and fit a ROM you should be able
to perform the modification.

Proceed as follows:

1: Unplug the BBC from the mains.
2: Remove the four cross-head screws and lift the lid off the
BBC.
3: Remove the two (or three) nut and bolts holding the
keyboard in place.
4: Pull forward the keyboard to reveal the ROM sockets and
circuit board behind the 1MHz bus connector.
5: Locate the pair of small cylindrical components (diodes)
labelled D14 and D15 which lie between the back of the 1MHz bus
connector and the ROM sockets.
6: Cut the RIGHT HAND leg (- side) of the diode D15 and bend
it up to break the contact - you do not need to remove it.
7: Reassemble the BBC.
8: Plug in the mains and B2P and test the Second Processor.

We apologise for the inconvenience this may cause, and should you
require any further details, please contact our Sales Office, on
03552 32796.