



## **FITTING PLOTMATE ROMS**

Before fitting the PLOTMATE SIDEWAYS ROM chip, it is necessary to access the main circuit board inside the BBC Microcomputer.

**MAKE SURE THAT THE MACHINE IS SWITCHED OFF BEFORE PROCEEDING.**

To get to the board undo the four screws (which may be labelled 'FIX') on the casing. On BBC Microcomputer models B and B+ two of these screws are located underneath the computer and the other two at the back. The BBC Master Series computer has all four screws located underneath.

On the BBC model B the keyboard must also be removed. The bolts, which hold down the keyboard, are located either side of it. Most machines have two bolts but some have three.

### **Sideways ROM location BBC Microcomputer model B**

Locate the row of five large sockets on the main circuit board under where the keyboard normally sits. One or more of these sockets may already have chips in them. The sideways ROM sockets are the four right hand sockets which are labelled on the board as IC52, IC88, IC100 and IC101.

### **Sideways ROM location BBC Microcomputer model B+**

Locate the group of eight large sockets at the left side of the main circuit board. Some of these sockets may already contain chips. The five sockets labelled on the board as IC62, IC68, IC35, IC44 and IC57 are for sideways ROMs. Make sure not to use the two large sockets at the front of the group labelled as IC29 and IC37. ROMs inserted into these sockets could possibly be damaged as they are reserved for the speech system chips.



## **Sideways ROM location BBC Master Series Microcomputer**

Locate the row of four large sockets at the right side of the main circuit board. The two sockets at the front of the row, labelled on the board as IC27 and IC71, can be used for sideways ROMs.

## **Removing Existing ROMs**

It may be necessary when fitting a ROM chip to remove an existing ROM. When removing a ROM take extreme care not to damage the circuit board or the chip itself. It is always best to use a chip extraction tool when performing this task. If no such tool is available a small screwdriver may be used. Should a screwdriver be used, gently prise up each end of the chip at a time until the chip is loose enough to be removed by hand.

## **Inserting ROMs**

Identify pin 1 on the chip. This is found to the left of the semi-circular notch if the notch is held upwards.

Hold the ends of the chip between finger and thumb and line up all the pins over the destination socket.

On BBC Microcomputer models B and B+, this notch should be facing the rear of the main circuit board. On the BBC Master series Microcomputer, this notch should face the left side of the main circuit board.

Apply firm pressure to the chip making sure not to force it. Once inserted make sure that none of the pins have been bent out or underneath.

Once ROMs have been fitted the casing (and keyboard if necessary) can be replaced.