

# The BASIC Editor

for the BBC Microcomputer Model B

## Inserting The BASIC Editor ROM

Your BASIC Editor chip may be placed in any spare 'sideways ROM' (or 'paged ROM') socket. These are located on the front right-hand side of the circuit board inside the BBC Microcomputer casing.

1. To get to the board, undo the four screws marked 'FIX'. Two of these are underneath the computer, and the other two can be found on the back.
2. Once the top is removed, release the bolts holding down the keyboard assembly. These are located on either side of the keyboard. Some machines have two bolts, others may have three.
3. There is no need to disconnect the keyboard completely, so the multi-wire connector to the main board can be left in place. Carefully displace the keyboard, rotating it clockwise through about 20 degrees so that the front right-hand side is accessible.
4. Locate the row of five large sockets. The four right-hand sockets (identified on the board as IC52, IC88, IC100, IC101) are sideways ROM sockets. The fifth from the right is the operating system socket (IC51).

Read the section overleaf about the operating priority of the sideways ROM sockets, and then insert the ROM as described in the section entitled 'Inserting the chip'.

## Sideways ROMs – operating priorities

The four sideways ROM sockets have an operating priority, decreasing from right to left: on a hard reset, or when the computer is switched on, the language chip in the rightmost ROM socket takes priority over the others. So the position of The BASIC Editor ROM in relation to the BASIC ROM, for example, will determine whether your machine starts up in BASIC or in The BASIC Editor.

If you want to start up in BASIC and get to The BASIC Editor from there (use the command \*BE RETURN) then you must insert your BASIC Editor chip to the left of the BASIC language chip. If the BASIC chip is in IC52, ie fourth from the right, then you have to move it further to the right, to leave a lower priority socket for The BASIC Editor chip.

Those who use the computer primarily with The BASIC Editor can have it operating as soon as the machine is turned on by inserting the chip so that it is the furthest chip to the right of every other sideways ROM present.

If you are replacing the operating system ROM at the same time as fitting The BASIC Editor, then follow the same insertion procedure, and fit the chip in the socket marked IC51 (fifth from the right).

## Inserting the chip

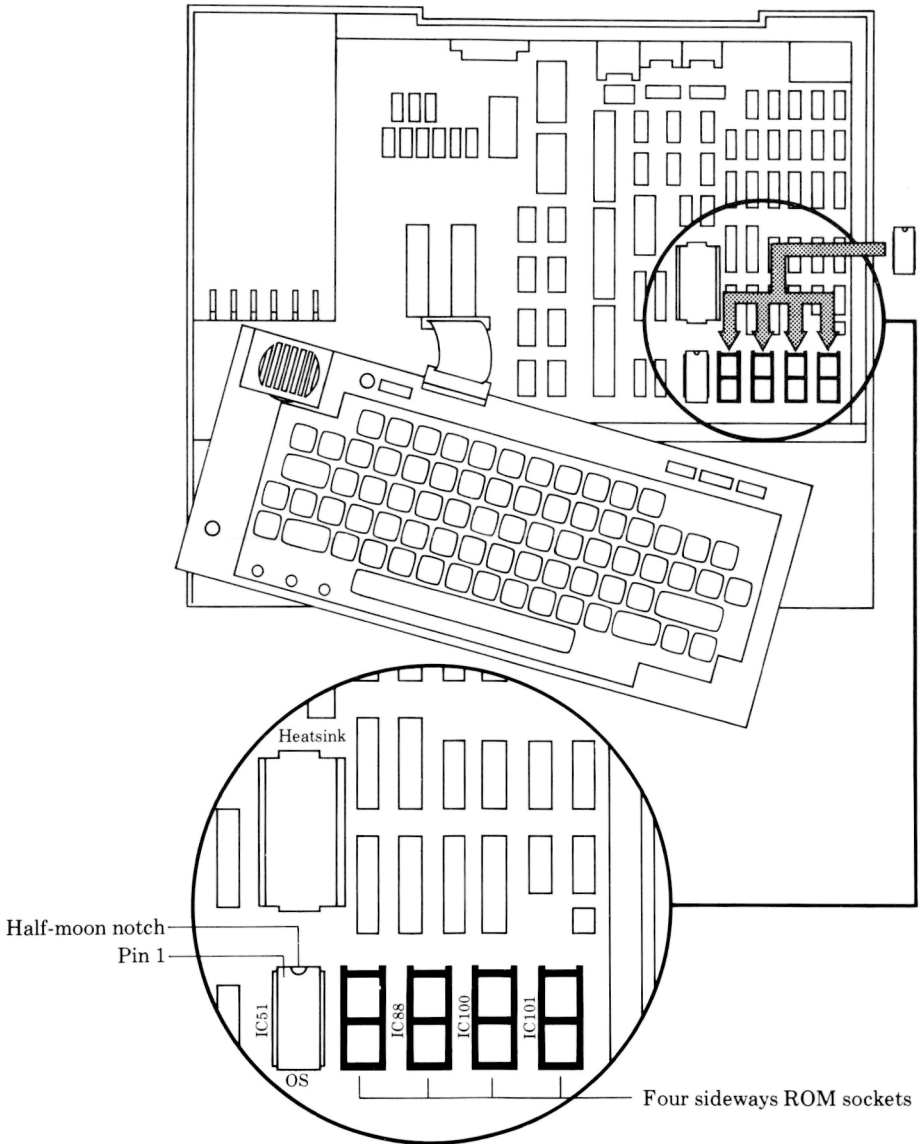
1. Before taking the chip out of its protective packaging, identify Pin 1 on the chip. It is either marked with a dot on the top, in the corner of Pin 1, *or* the half-moon notch at one end of the chip identifies the end of the chip nearest Pin 1. Pin 1 should be on the left if the notch is held up.
2. Hold the ends of the chip between finger and thumb, and line up all the pins over the destination socket. Pin 1 and the half-moon notch should point towards the back of the computer casing.
3. Now apply firm pressure to the chip, but try not to force it! When the chip is in, it appears to be slightly raised. Check that all the pins do enter the socket, and that none are bent out, or underneath.

## Removing chips

To avoid bending any pins a chip must be removed very carefully. Take a screwdriver or similar tool and gently prise up each end, a bit at a time.

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*This diagram shows a plan view of the BBC Microcomputer. The top of the computer casing has been removed to reveal the four sideways ROM sockets. The BASIC Editor ROM can be inserted in any one of these sockets.*



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