

# SIDEWAYS ZIF

## External Sideways ROM Socket

### Fitting Instructions

With a Watford Electronics ZIF fitted to your BBC micro you can change sideways ROMS as required without having to take the case apart. This means that you can avoid the problem of running out of sideways sockets.

Installation takes only a few minutes and requires no soldering or modification to your BBC micro.

1. Turn the power to your micro off.
2. Carefully remove the four fixing screws (two at the back and two underneath the front).
3. Remove the cover and push out the perforated plastic cover on the left hand side of the keyboard.

4. Remove the two nuts and bolts holding the keyboard. Fold the keyboard over so that it rests upside down on the micro.

5. Locate the five ROM sockets at the front right hand side of the micro. The left hand most socket holds the machine operating system ROM (MOS) and should not be touched. The socket immediately to the right of this, IC52, is where the 28 pin header should be plugged in with the cable to the left.

If a ROM is fitted in this position carefully remove it. If this ROM is the BASIC ROM then you should plug it in another of the sockets.

If all the sockets are full then one ROM must be removed, but remember that with the Watford Electronics ZIF fitted you can always plug it in the ZIF on the top of the case.

6. Carefully route the ribbon cable along the computer so that when the keyboard is replaced it doesn't foul anything.

7. Put the keyboard back in place and secure it with the two nuts and bolts.

8. Peel off the self adhesive pad on the ZIF assembly. Set the ZIF lever in the upright (not closed) position. Gently push the ZIF through the hole in the case lid taking care to locate the peg on the underside of the lid in the hole in the pcb. Push firmly so that the ZIF is held by the sticky pad.

Do not worry if the ZIF does not seem to be very firm as with the lid replaced the ZIF is also supported by the keyboard.

9. Carefully replace the lid making sure that the cable from the ZIF assembly is not trapped in the edge of the case.

The lead from the ZIF is designed to be trapped between the ZIF assembly and the keyboard pcb. Looking at the under side of the ZIF assembly with the hole at the bottom right the cable exits to the left and should be folded back to the right so that it is trapped between the bottom of the connector and the keyboard pcb when the lid is assembled.

Secure the lid with the four fixing screws removed earlier.

10. Testing the ZIF is very easy. With the POWER OFF place a ROM in the socket making sure to get pin one at the top left hand corner. Push the lever down to lock the ROM in position.

11. Turn the power on. The BBC micro should come up as normal. The sideways ROM fitted in the ZIF should perform exactly as if it were inside the machine.

12. In case of difficulty turn the power off immediately and check the 28 pin header making sure that all pins are correctly located. It is not a good idea to remove the 28 pin header frequently as the pins will become fragile.

#### WARNING

DO NOT CHANGE ROMS WITH THE POWER ON AS THIS MAY DAMAGE YOUR MICRO.

Watford Electronics can not accept responsibility for damage caused to the computer if ROMS are inserted or removed with the power on.

#### TAKING CARE OF YOUR ROMS

Always store ROMS not in use in the special box supplied with the ZIF. This will protect them when not in use. The black foam inside the case is special antistatic foam and is available from Watford Electronics.