

# Fitting the Sideways ROM Extension Cable and Socket

1. Make sure the computer is unplugged from the mains supply before starting.
2. Open the case of the computer by removing the four screws, two on the back and two underneath. On some models these screws are marked 'fix'.
3. Unscrew the bolts fixing the keyboard to the case.
4. Cut out the rectangular slot on the left hand side of the keyboard. On most models this slot should already be perforated.
5. Pass the 28-way socket end of the extension cable through the rectangular slot and clip the cartridge socket end into the slot. Make sure that it is aligned correctly as shown in Diagram A.
6. The sideways ROM socket labelled IC52, IC88, IC100 and IC101 can be located underneath the keyboard on the lower right-hand corner of the main circuit board. One of these normally contains the BASIC ROM labelled BO 1 or B05 on top of the ROM. When the computer is switched on or <ctrl-break> is pressed, the operating system calls the ROMs in turn from right to left. Hence if you wanted the micro to start up in BASIC you would place the BASIC ROM chip in IC101 and other ROMs to the left of it. If an existing ROM has to be repositioned, do this by very carefully prising up with a screwdriver. Pass the extension cable underneath the keyboard and plug the 28-way socket into any of the ROM sockets. (A suitable solution would be to have the BASIC chip in IC101 and the extension ROM socket in IC100; this will allow you to put in a DFS chip and perhaps a word processor ROM in the remaining two sockets). If you want the computer to start up in the program on the cartridge ROM then you should plug the 28-way socket into IC101 and the BASIC chip to the left of it.

Note that the extension cable should pass underneath the keyboard and care should be taken to ensure that any extensively protruding pins do not penetrate the cable when the keyboard is reconnected. If necessary any extensively protruding pins can be cut shorter with a pair of cutters.

7. Refit the keyboard bolts and re-assemble the case.

## Fitting the ROM in the Cartridge

You should ideally have a cartridge for each ROM that you need to plug in as this provides an ideal and adequate protection for storing your ROM when not in use.

Unscrew the two halves of the cartridge and plug in the ROM chip into the socket provided in the cartridge unit making sure that it is correctly aligned as shown in Diagram B.

Replace the two halves of the cartridge and screw it shut. You can use labels to help you identify your cartridge.

## Using the System

Plug in the cartridge which has been fitted with a suitable sideways ROM/ EPROM into the socket fitted on the rectangular slot to the left of the keyboard. The cartridge will only fit in one way. Press the 'break key or < ctrl-break > to add the new ROM into your system.

After you remove the cartridge you must press < ctrl-break > to get back into the system.

DIAGRAM A - BBC KEYBOARD



CARTRIDGE SOCKET

# Items included in the system

