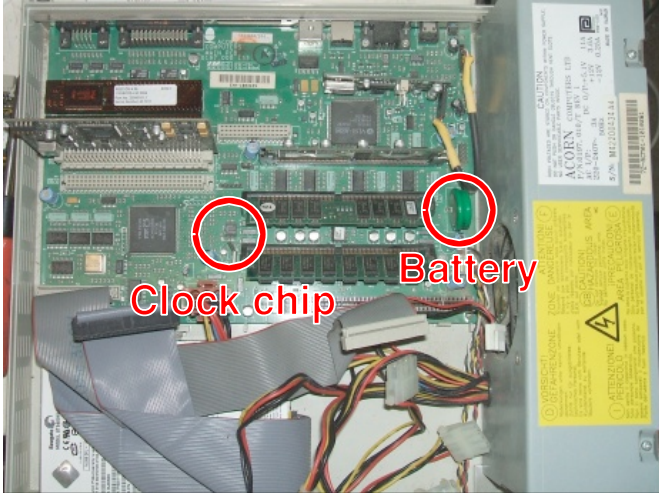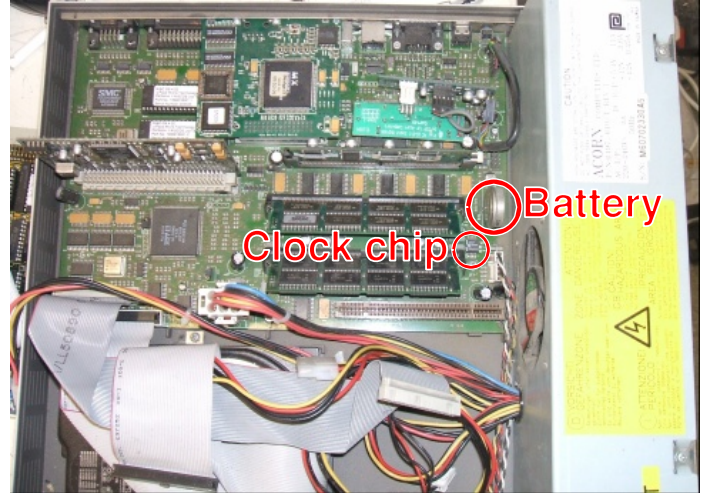# Replacement Clock Podule for the RiscPC

Before fitting the replacement clock, it is important to first remove the battery and disable the original clock chip on your motherboard. First, open the RiscPC and remove any podules, then take off the slices, leaving only the bottom tray. Details of how to do this are in the Welcome Guide. You might find it easier to remove the power supply at this point too, to give easier access to remove the battery.
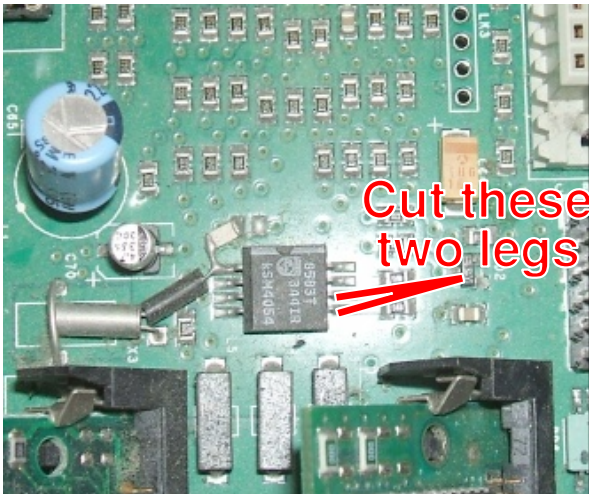

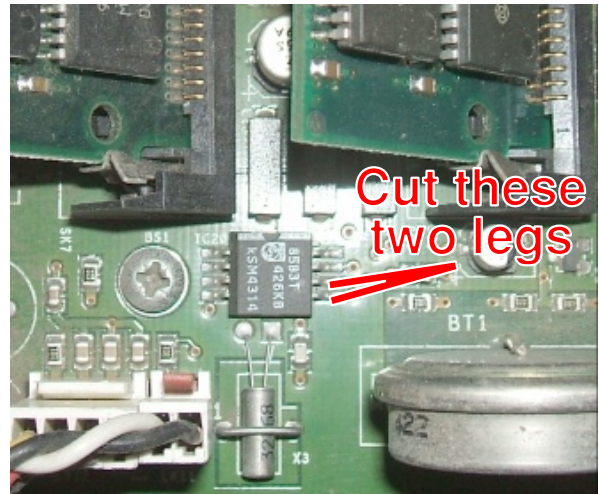*Location of the battery & clock chip on a Mk.1 motherboard*

Location of the battery & clock chip on a Mk.2 or Mk.3 motherboard

Locate the battery on the right hand side of the motherboard, next to the power supply, and carefully snip the legs holding it to the board, taking care not to damage the surrounding board. Clean away any dirt or corrosion from around the area using a soft brush.
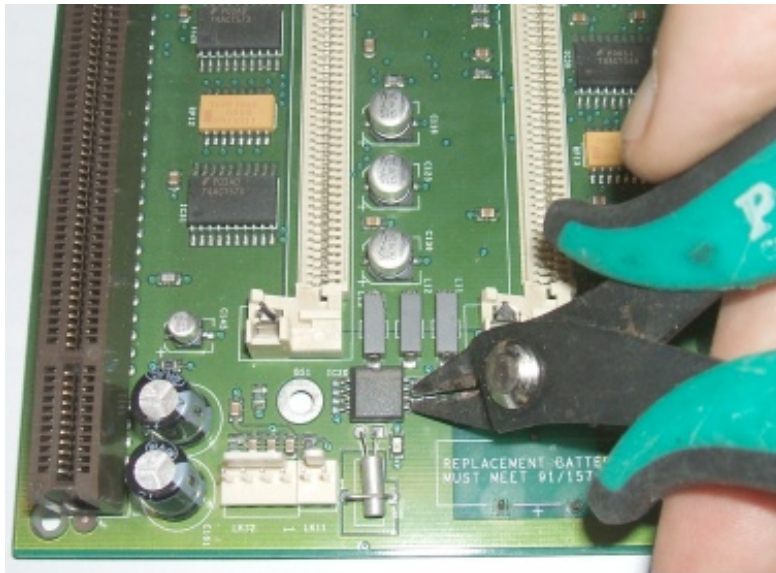

The clock chip on a Mk.1 motherboard

The clock chip on a Mk.2 or 3 motherboard

Locate the clock chip, marked "8583T", (see photos above). On Mk.1 motherboards, this will be towards the middle of the board to the left of the memory sockets, whereas on Mk.2 and 3 motherboards it will be near the battery. Using a pair of fine side cutters, carefully snip the two legs (pins 5 & 6) shown in the photos. This will isolate the chip from the data lines, allowing the CJE module to replace it.

Cut the legs of the clock chip, as shown. (Depending on your computer, the chip may be in a different position on your motherboard, but the legs are the same.)

If you purchased a separate battery in a holder, place this in the 'gutter' at the front of the case, and bring the wire out alongside the LED and speaker wires, ready to connect to the clock module.

Reassemble your computer, apart from the lid, and then plug the CJE replacement clock module into any spare socket on the backplane. Alternatively, if you purchased a backplane with integrated clock module, fit this instead. If you purchased a separate battery, connect this to the three pin header on the module now.

Replace the lid on your RiscPC, ready to switch it on. Start the computer whilst holding down the DELETE key, to reset the CMOS settings. Once the computer has reached the desktop, you will need to set the date and time to the correct values, in the normal way. You will also need to set other CMOS settings back to your preferred values such as CD ROM drives, and your preferred MDF and resolution.