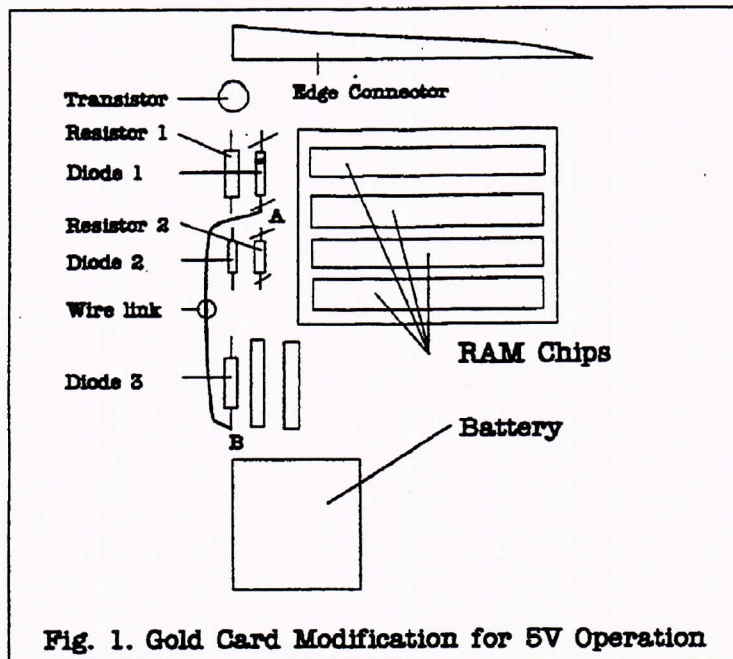


# Running a Gold Card From 5 Volts

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The QL normally runs as we all know from 9 volts, which if you have transferred your QL to a PC case (with a switch mode power supply), causes a few problems. The solution to this problem is to run the whole system on 5 volts, but the backup clock on Gold Card will not function without a 9 volt supply.



This problem can be over come by making the following modifications to the Gold Card (**DO NOT DO THIS TO A SUPER GOLD CARD**)

- 1) Locate and remove Diode 1 and Resistor 2 (see fig. 1 above).
- 2) Link points A and B with a short length of insulated wire.
- 3) Bridge out the 5 volt regulator.
- 4) Connect a 5 volt supply to the expansion port power rails and ensure NO 9 volt supply is connected to any parts of the QL.
- 5) If you have any other cards connected - QUBIDE IDE interface etc., ensure the regulator is out of circuit - by following the suppliers instructions in the appropriate manual for 5 volt operation.