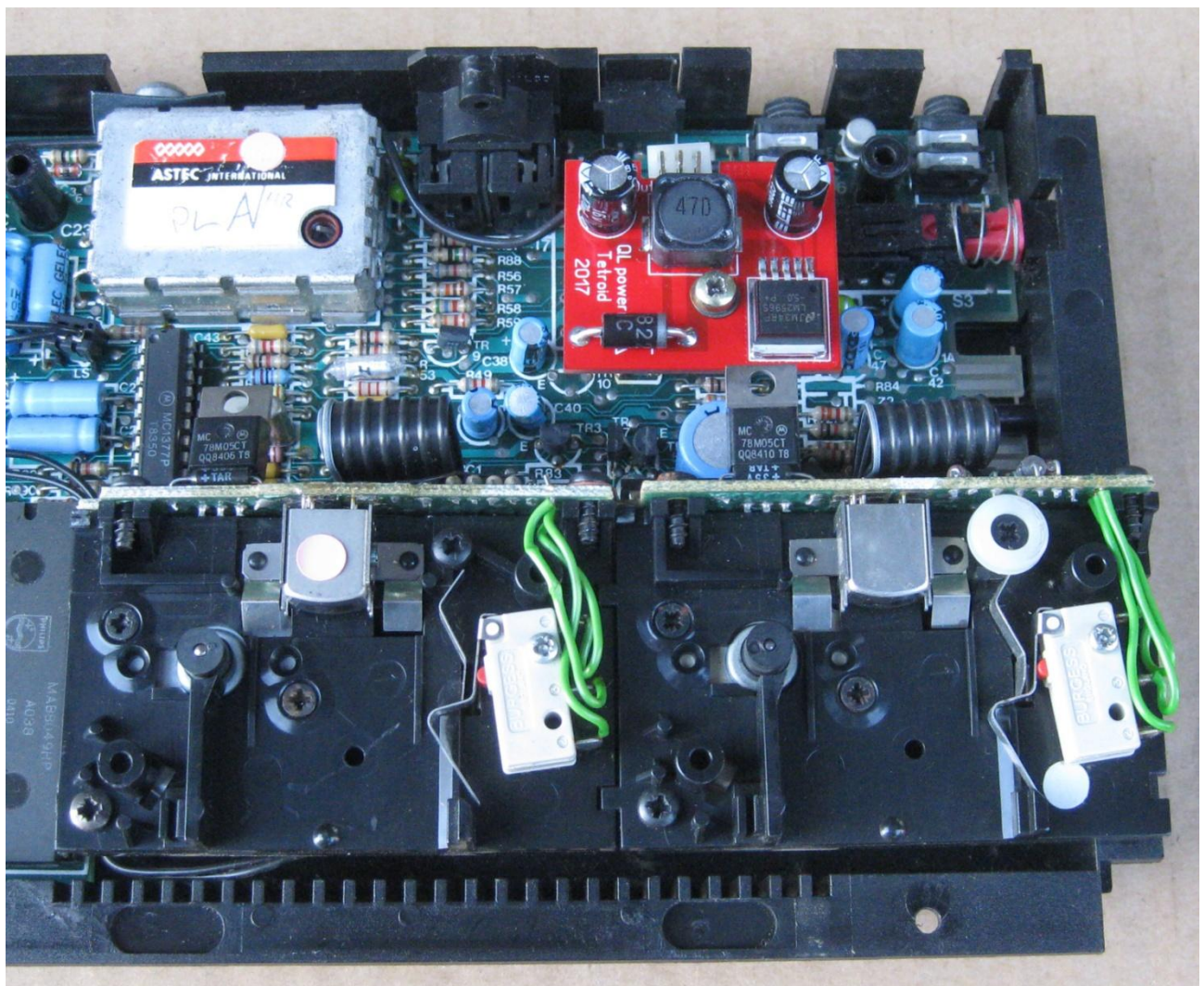


Tetroid QL Power Module

Replacement of internal Sinclair QL power regulator

Installation procedure



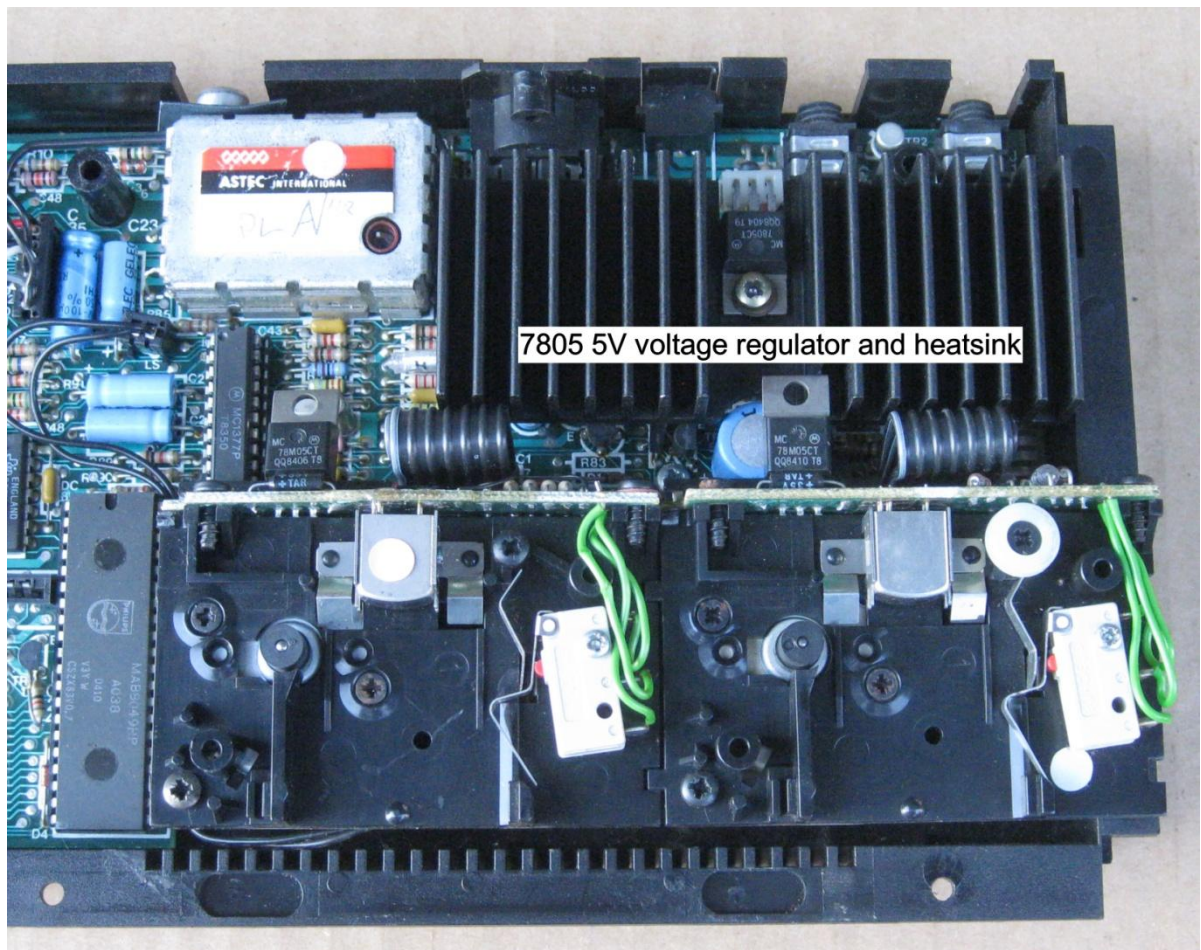
Introduction.

The standard Sinclair QL +5V power regulator (based on 7805) is inefficient and tends to get very hot during use. In contrast, the replacement Tetroid QL Power Module has a switch-mode power supply that imposes a negligible power drain on your system and produces little heat.

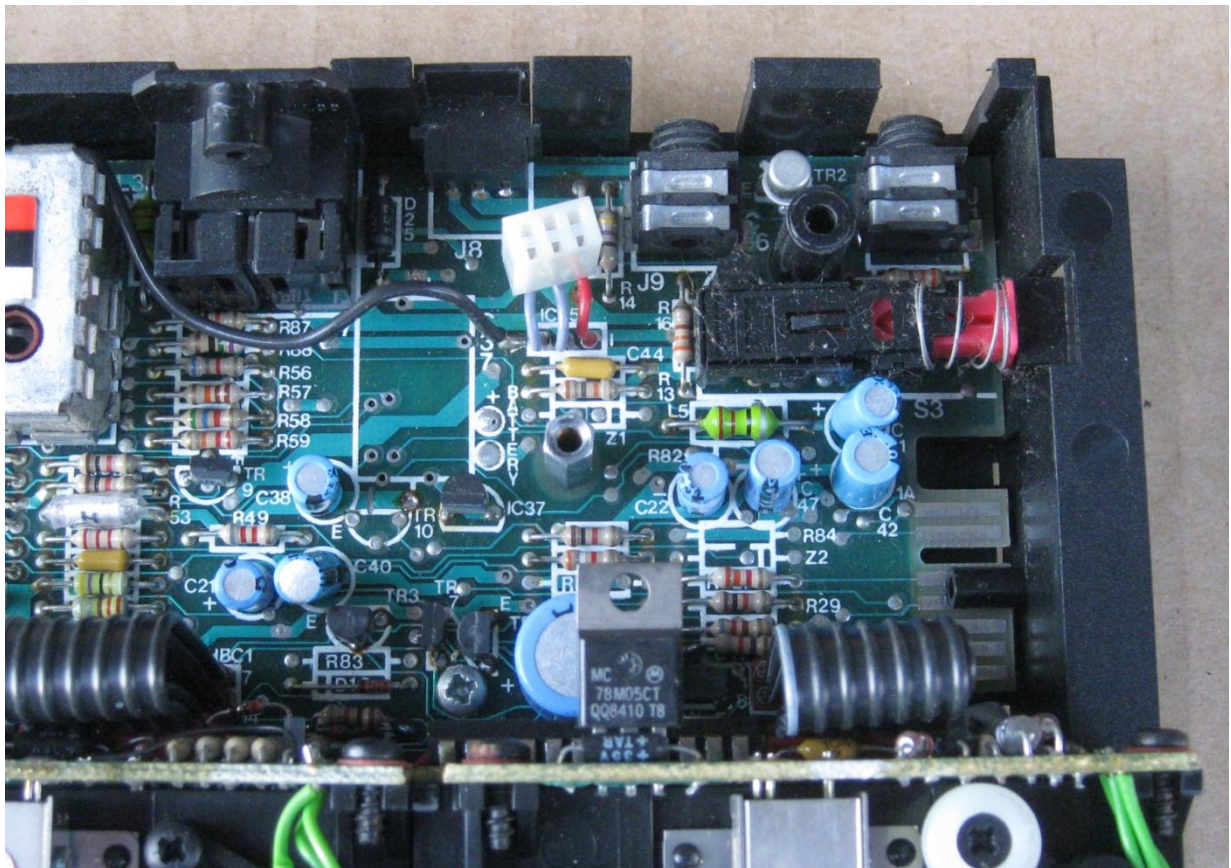
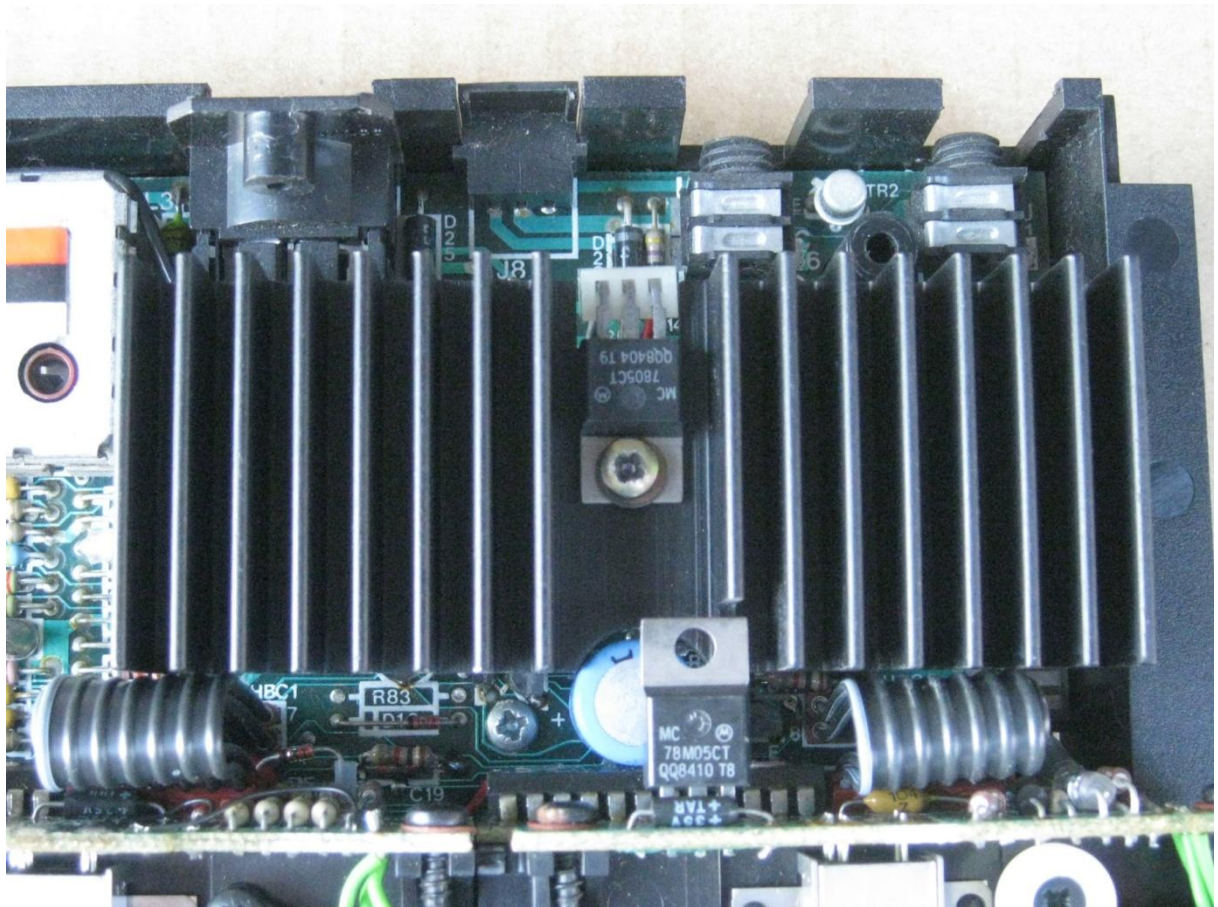


Installation procedure

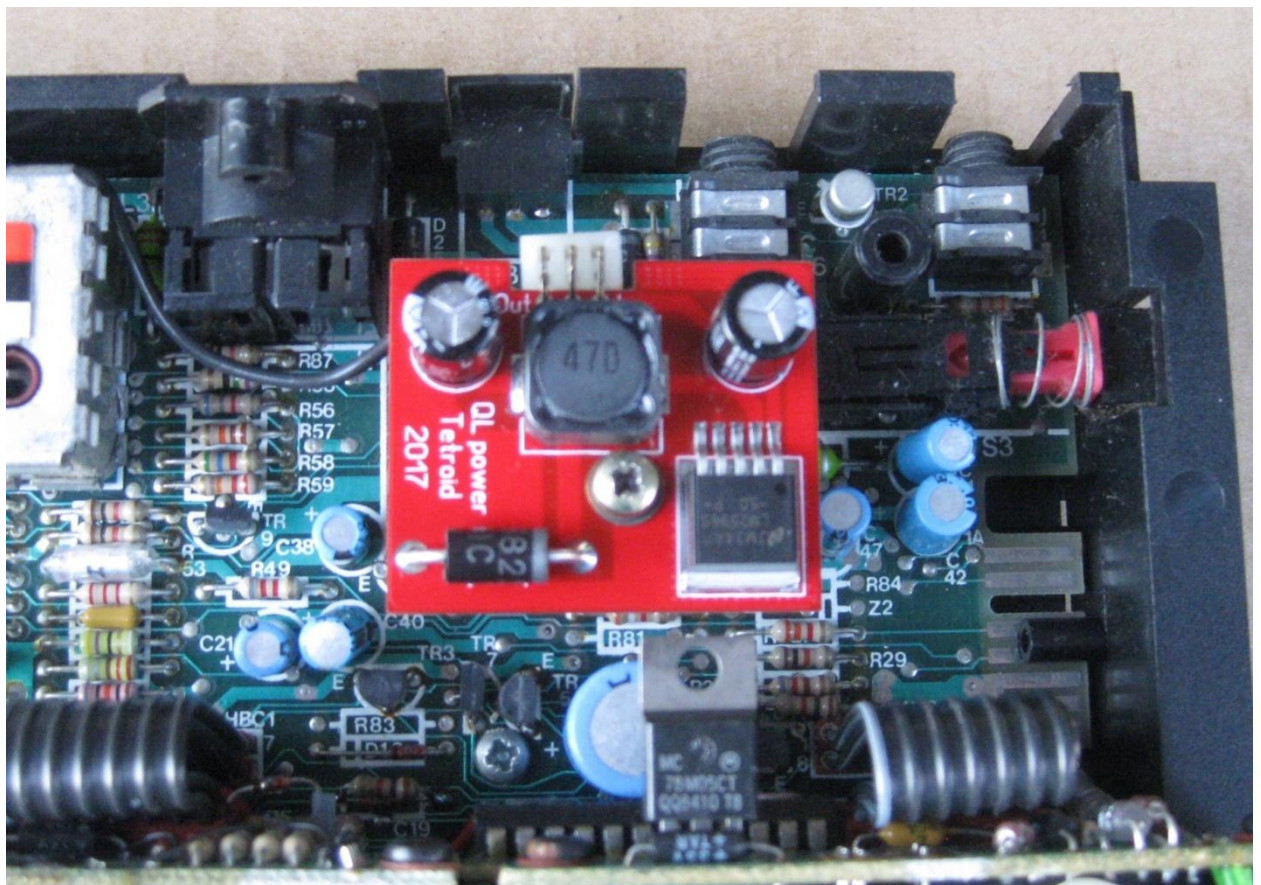
1. Turn the QL unit upside down and remove the eight screws located on the bottom cover of the case. Turn the unit back upright, remove the upper half of the case, carefully disconnect the two keyboard cables and lay the upper half of the case aside. Locate the heatsink of the voltage regulator, which is on the right-hand side of the main board, above the Microdrive modules, as shown below.



2. Remove the mounting screw from between the two halves of the heatsink fins. to free the voltage regulator from the board. Carefully disconnect the connector lead from the 7805 voltage regulator.



3. Connect the lead to the new QL power connector (red wire on right side) and fit the new unit in place of the original voltage regulator using the mounting screw.



4. Connect the two keyboard cables, refit the upper case of the QL and reinstate the eight screws that you removed earlier, being careful not to overtighten them.
5. You can now power up your QL and check everything is working correctly.