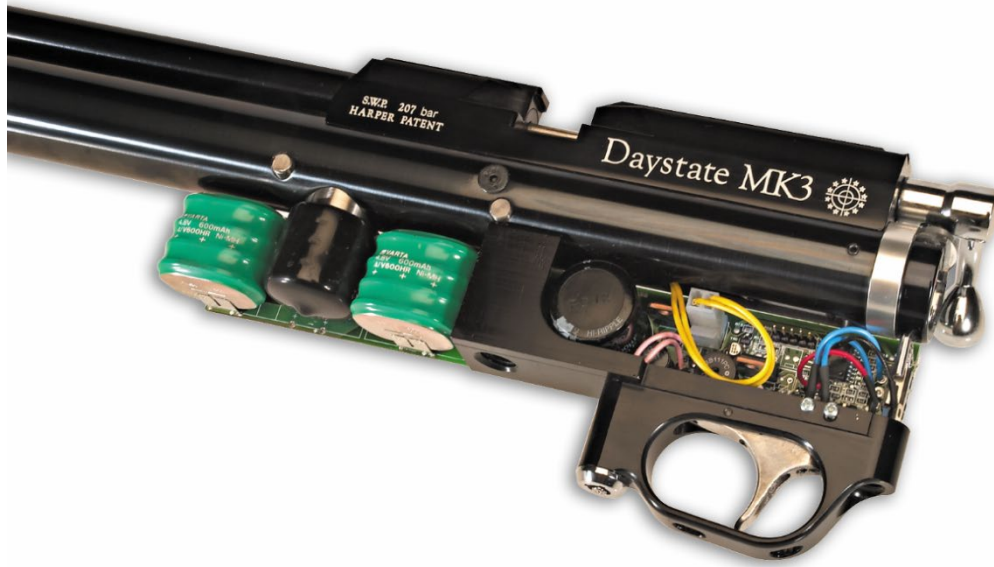


DAYSTATE MK3 CDT(B) BOARD BATTERY CONVERSION

Production of the Daystate Mk 3 started in December 2002 and ended in June 2006. For most of that time the rifles electronic board was fitted with two Varta 4.8v 60mAh battery packs comprising 4x 2.2 volt stacked cells. Boards were categorised and marked as follows:

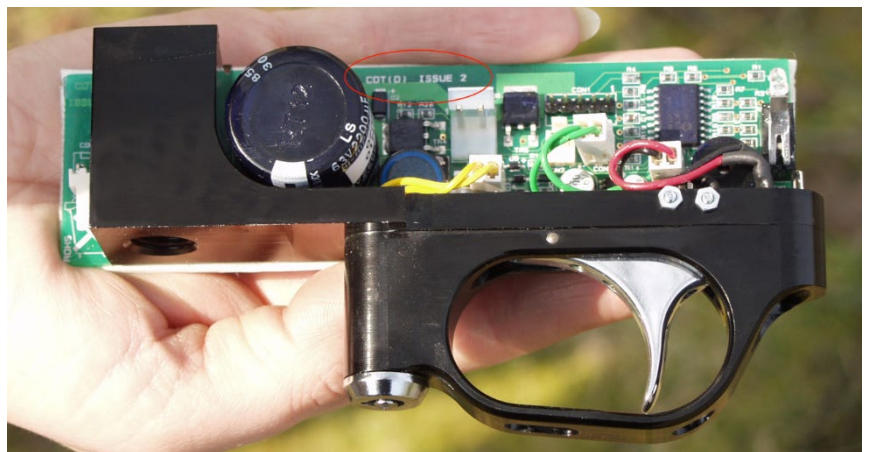
- CDT(a) Prototype UK only - December 2002 – May 2003 — 2x PP3 primary batteries
- CDT(b) June 2003 – March 2006 solder in 2x 4.8v NiMH batteries
- CDT(c) March 2006 onwards - plug-in 8.4v NiMH battery
- CDT(d-x) Service or repair replacement plug-in 8.4v or 9.6v NiMH battery



MK3 RT (Regulated Thumbhole) models were fitted with an external regulator which because of its position necessitated the battery stacks being separated to fit.

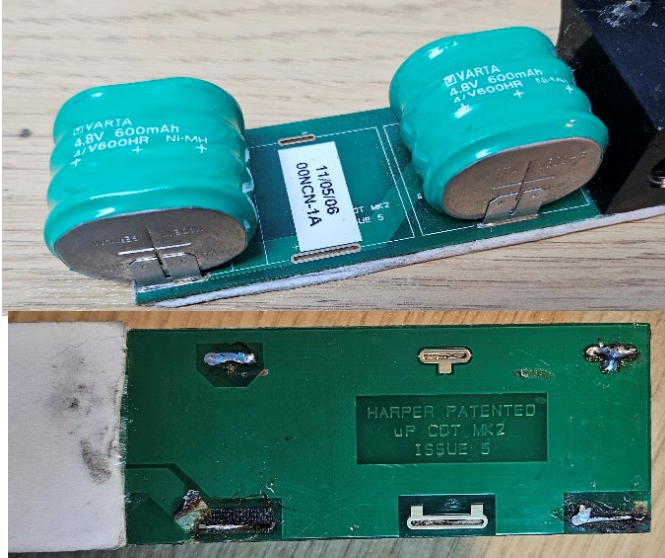
Mark 3S and MK3 ST models dispense with the regulator - giving more space for a battery.

Late MK3 models used the CDT(c) AirWolf board and repaired rifles use CDT(d) or later with a plug-in battery. Before ordering any batteries from Daystate you should check to see which Mk3 model you have as it affects which battery is to be supplied.



AS OF NOVEMBER 2024, THE 4 CELL STACKED BATTERIES ARE NO LONGER AVAILABLE.

Instead Daystate can supply the later plug-in battery type as a replacement. It is possible to convert existing CDT (b) solder-in battery boards to take the later plug in batteries. This offers a cost-effective solution for shooters with older rifles where the economics of replacing a new board just for a battery change is undesirable.

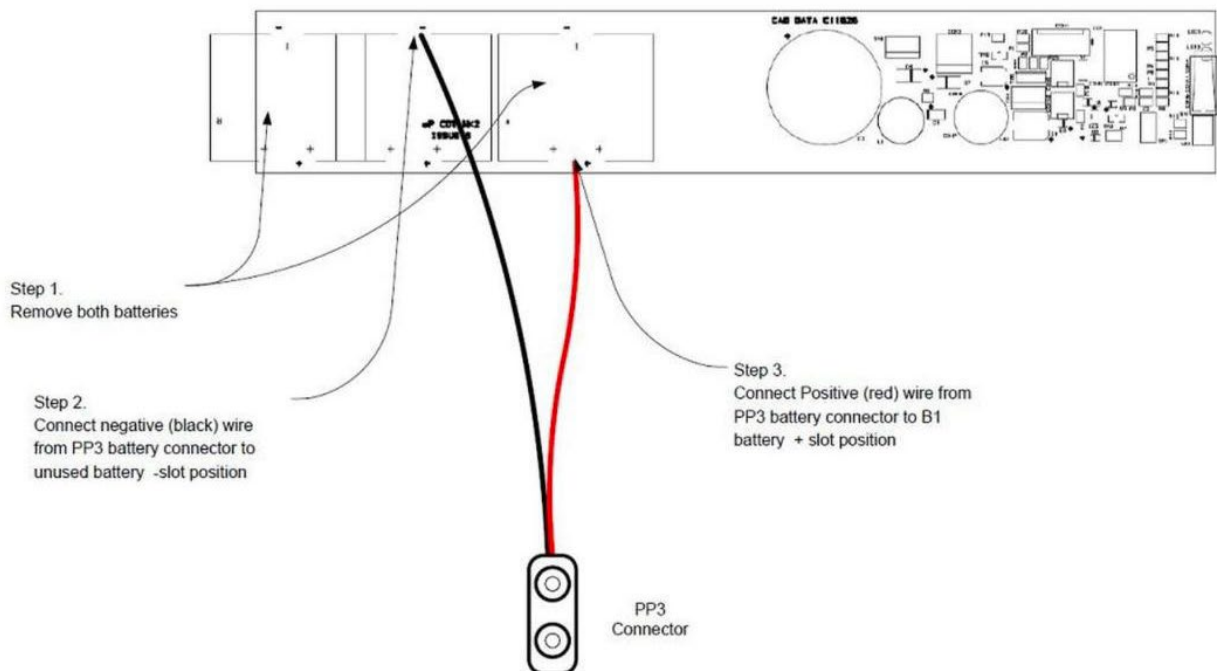


Remove the two soldered in batteries by turning over the board, removing the insulation, and with a soldering iron, heat up the push in battery pins so the batteries will fall free and clear of the board.

THERE ARE TWO OPTIONS:

9V PP3 LR22 800 MAH LITHIUM CONVERSION

CDT Long Board PP3 Battery Substitution



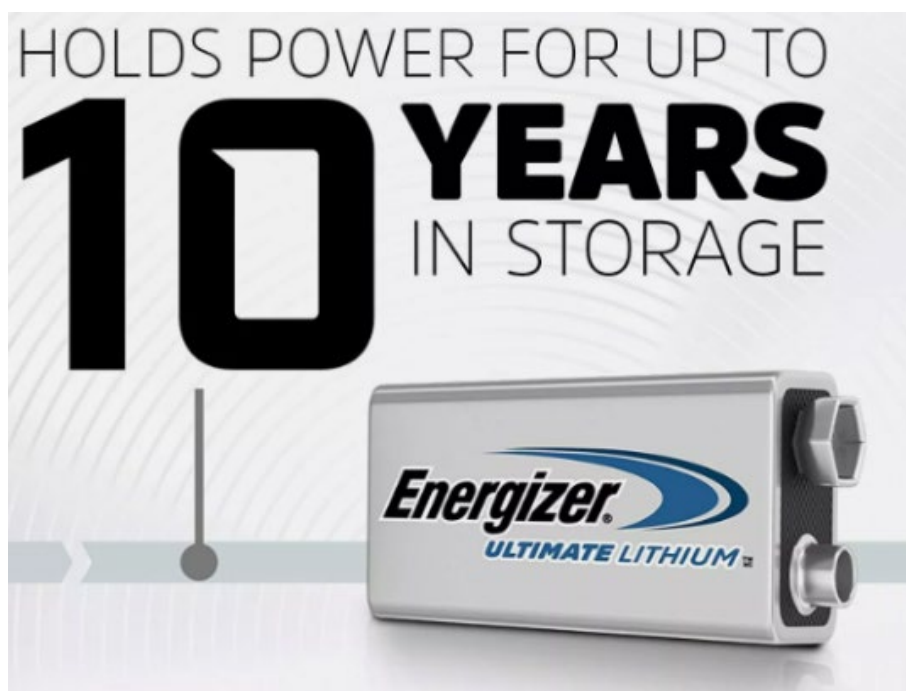
MAPLIN L85AB PP3 9V BATTERY SNAP CLIP PLASTIC ON CONNECTOR

A PP3 connector can be bought from an electrical supplier and soldered onto the board as shown in the diagram. This allows the connection of a high-grade PP3 type battery to be connected. This system is ideal for a rifle which sees infrequent use but spends a long time in storage.



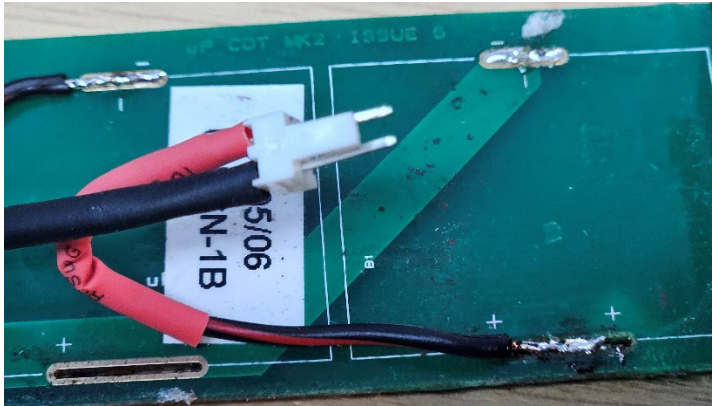
It is important that a high-grade 800 mHa capacity lithium battery is used. A shop-bought alkaline battery or rechargeable battery will usually not have enough power in this application.

When using a primary – non-rechargeable battery, the charging system built-in to the rifle should not be used and ideally disconnected.

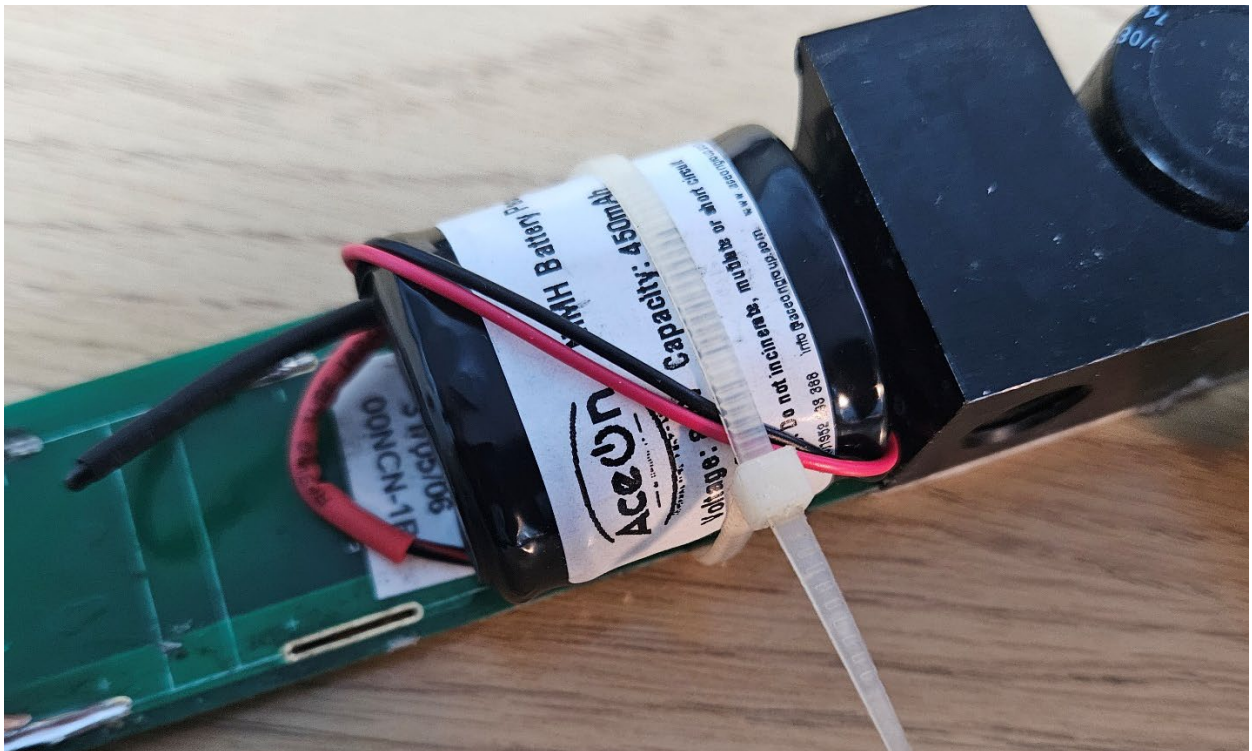


PLUG-IN NI-MH BATTERY CONVERSION

A JST 2-pin connector can be used to connect currently available Ni-MH batteries. The connector can be bought from an electrical supplier and soldered onto the board as shown.



Alternatively, the battery plug can be cut off, and the wires soldered directly onto the board.



The plug in battery can then be affixed to the board using a zip lock connector.

BATTERIES TO BE USED

MK3 RT – use 7-cell 8.4v 450mAh battery <https://daystate.com/product/daystate-8-4v-battery-mk3/>

MK3 S and ST – use 8-cell 9.6v 450mAh battery <https://daystate.com/product/daystate-9-6v-battery-mk4/>

The standard MK3 12 volt 500mHa battery charger can be used with either battery. Use the plug in socket at the rear of the trigger guard.