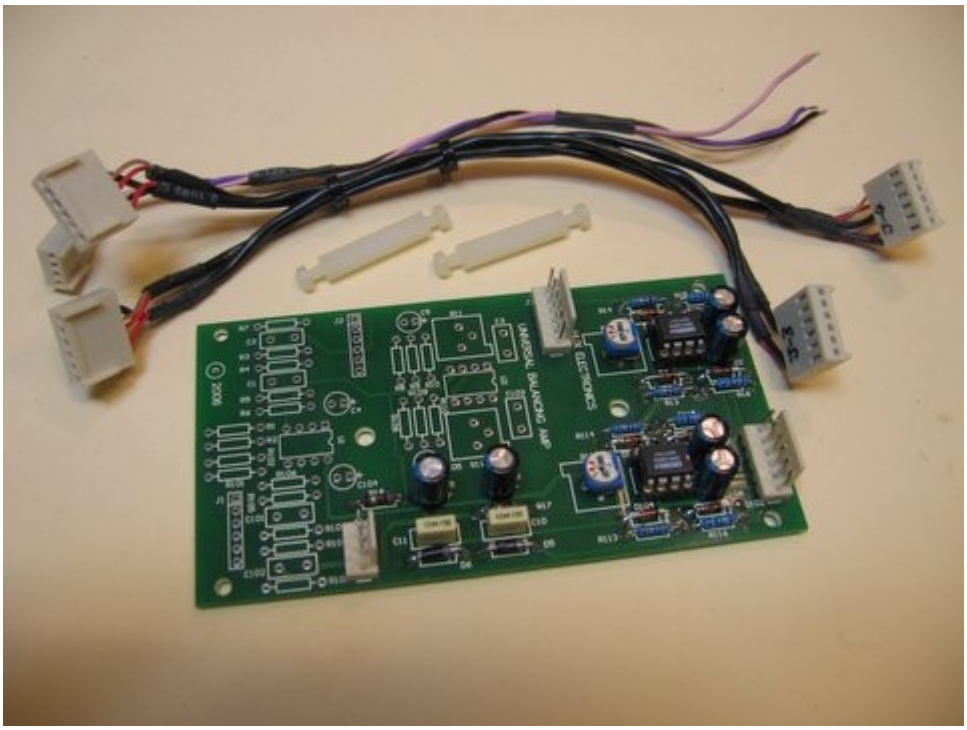
Hux DN360 Mod : Installation Instructions

The Hux DN360 Mod balancing amplifier board piggybacks onto unused output transformer mounting holes on the XLR input/output PCB inside the Klark Teknik DN360 equaliser. The Hux DN360 Mod board comes supplied with Nylon M3 mounting screws and 25mm long Nylon threaded posts which are attached to the mounting points

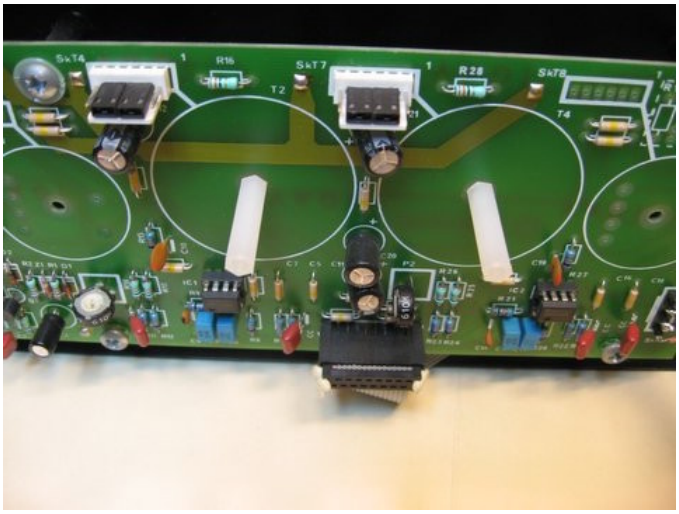


The first step is to remove the top and bottom covers from the equaliser.

Many DN360 equalisers have external rear panel access holes that line up with the unused output transformer mounting holes, if these are present then fitting the mounting hardware is reasonably simple. The Nylon mounting hardware screw can be balanced on the tip of a screwdriver (fixed with a small qty of Blu-Tack or other) and fed through the access hole, the Nylon threaded post is then fitted onto the screw. The screws are then done up firm but not tight.

Above shows an access hole just below the “L” in “Klark” and another hole further left of the “CE” sticker.

Above shows fitting the Nylon screws from the rear

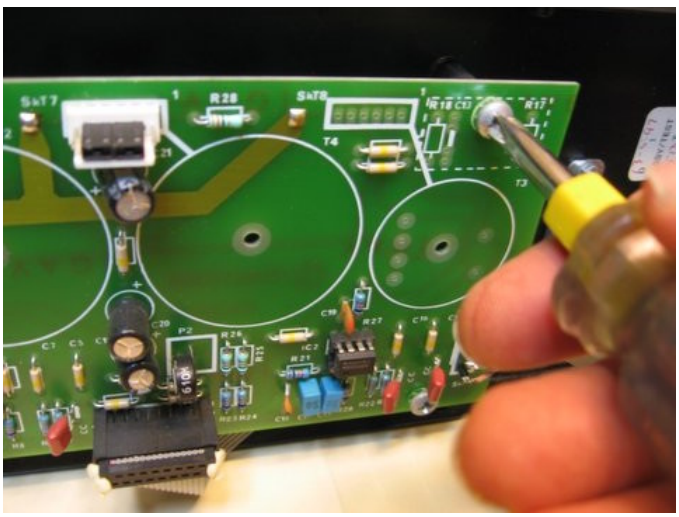


The Nylon mounting posts fitted in place. The screws are firm but not tight.

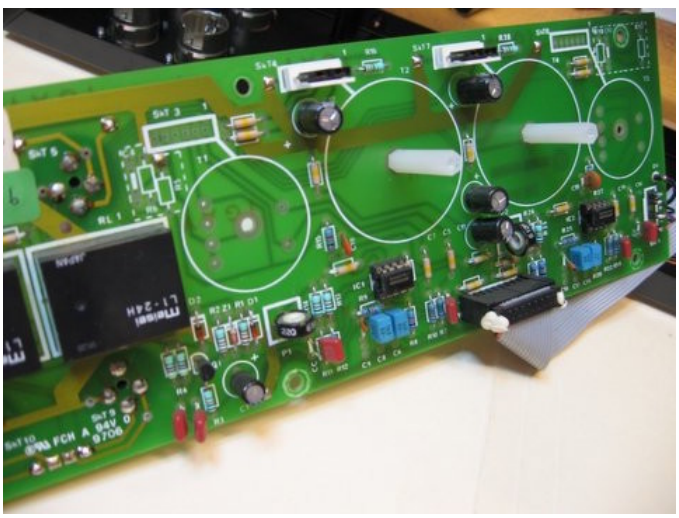
The overview.

If there are no external access holes, pull out the XLR input/output PCB.

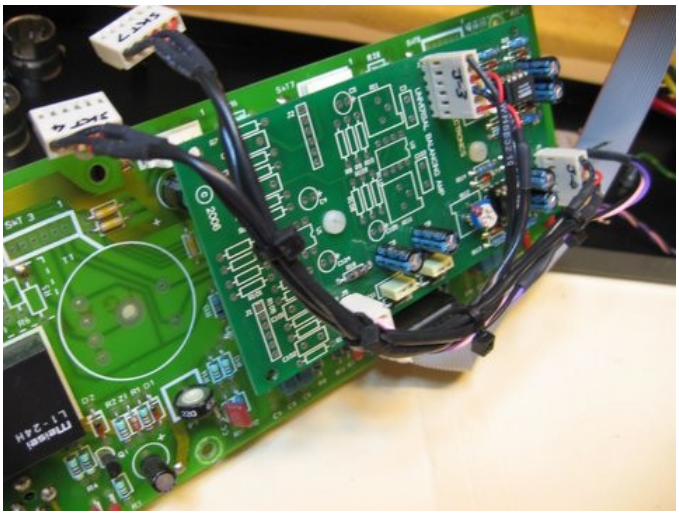
First unlock the latches in each XLR connector with a jewellers screwdriver. The latches are released with a small turn anticlockwise, be gentle with the latches.



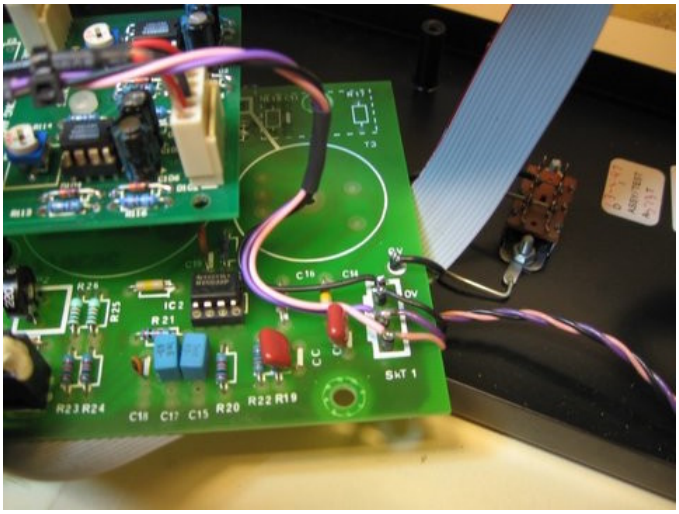
Undo the four screws on the PCB with a stubby screwdriver.



Fit the Nylon mounts and remove the Molex jumper shunts from SK-T4 and SK-T7.

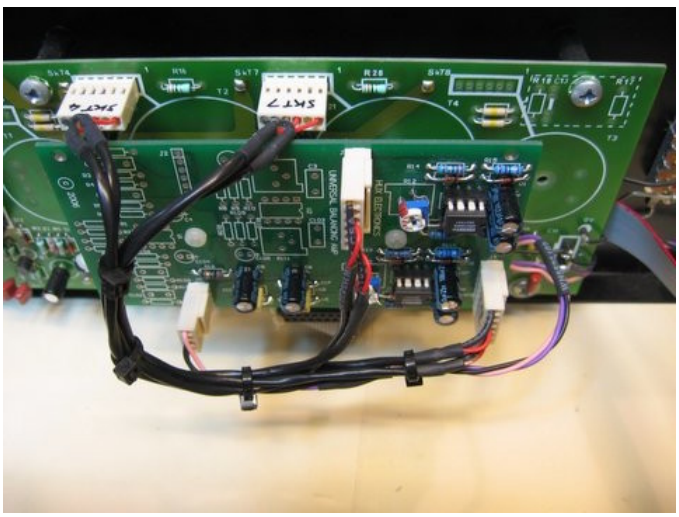


Fit the Hux DN360 Mod board. The Nylon screws should be firm but not tight.



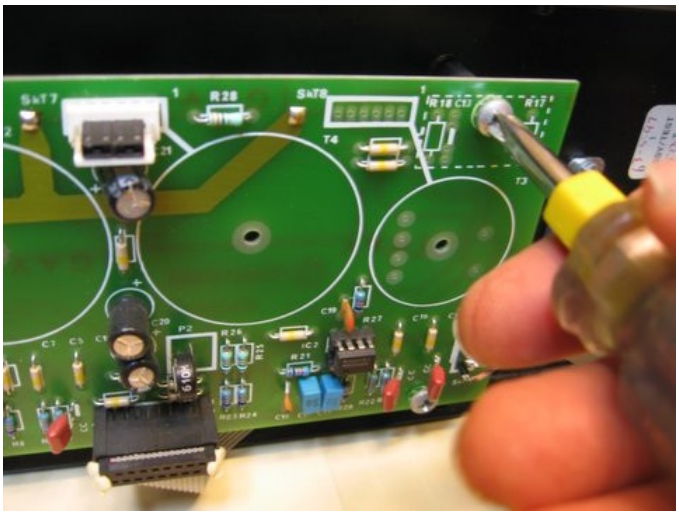
Solder on the Hux DN360 Mod power supply wires onto the existing power supply wiring (the colours should exactly match). Ensure that you don't burn the loom that runs under the power supply terminals.

Pink = -18v, Purple = +18v, Black = 0v



Plug the Molex connectors to SK-T4 and SK-T7.

Re-assembly is the opposite of dis-assembly.



Re-fit the screws in the XLR input/output PCB (note : the Hux DN360 Mod board is not shown in this photo).

Lock the latches in each XLR connector with a jewellers screwdriver. The latches are locked with a small turn clockwise. Be gentle and do not over tighten past the “click”.

Put the top and bottom covers back on.

Testing. There is normally a very small level change between power-off “bypass” and power-on “in-circuit” with a non modified DN-360. The Hux DN360 Mod board is precision adjusted for unity gain and so this small level change will remain. If required the trim pots on the Hux DN360 Mod board can be adjusted to counter the slight power-on / power-off level change (test equipment required).

It is a good idea to mark the rear panel of each modified DN360 equaliser to indicate that the output is balanced. I suggest a tick in the “output TX” box. I plan to supply sticky labels that state : “Active Balanced Input/Output”.

Regards, Warren Huck
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