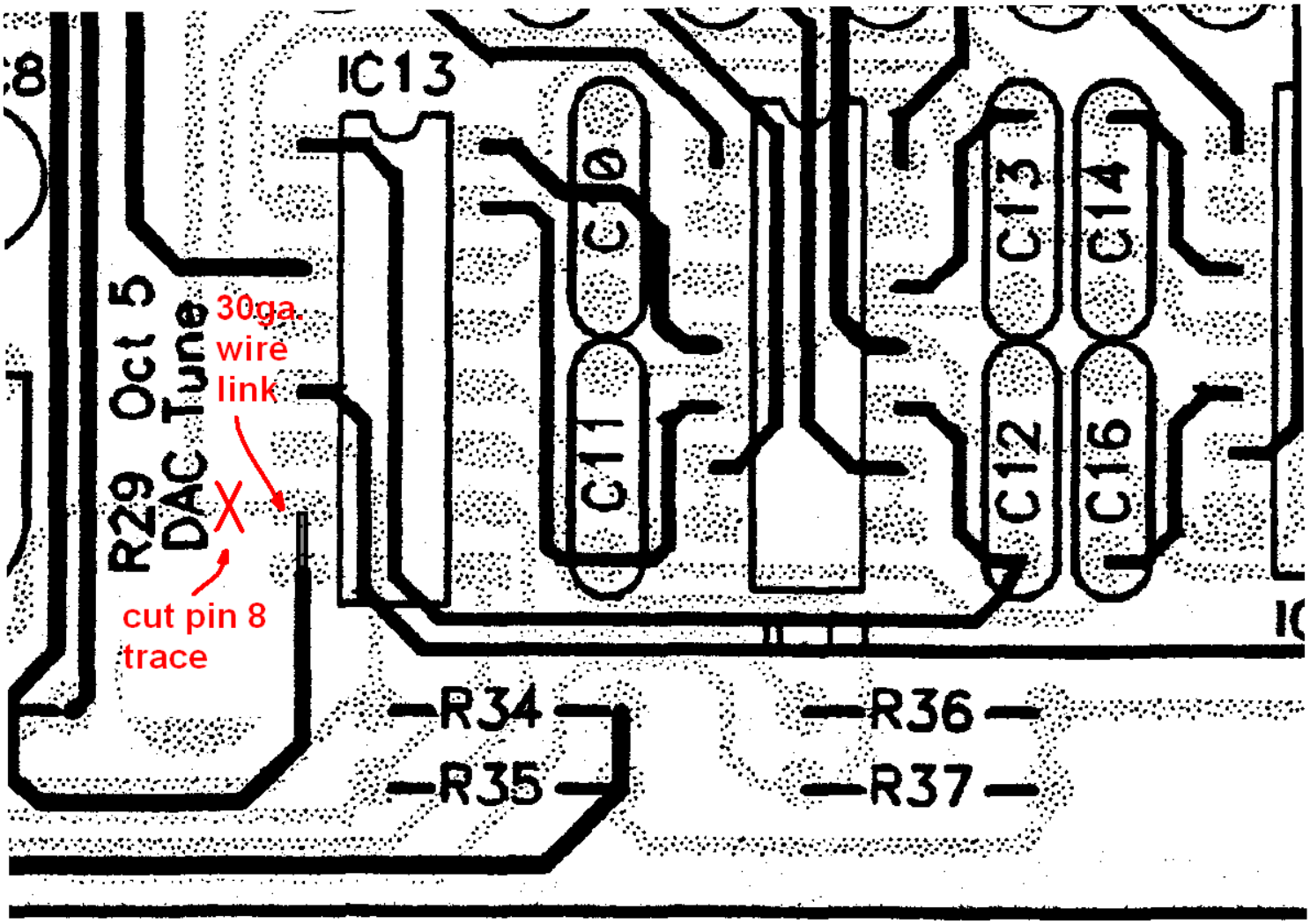
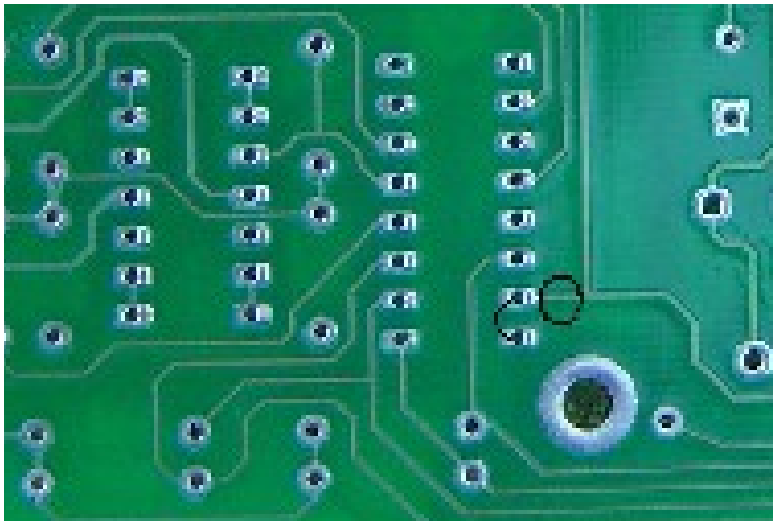
Updating 9700 MIDI2CV8 circuit boards to change the IC13, pin 7 from a negative DC supply to ground (pin 8).

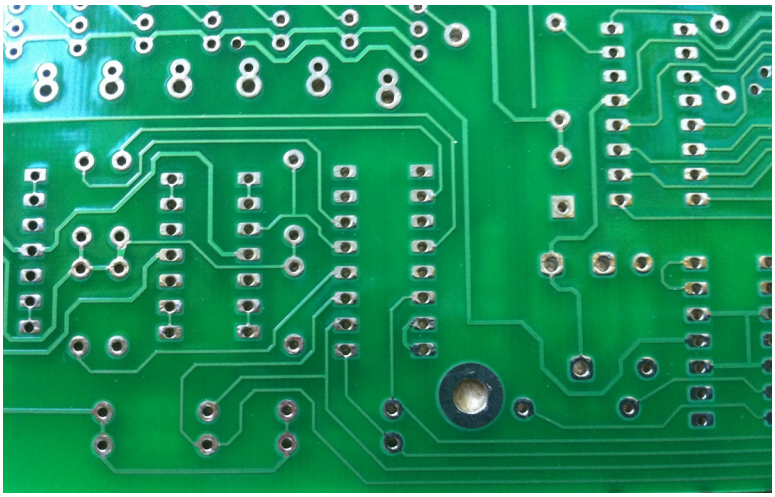


To ensure the voltages to the IC13 don't exceed the amount for normal operation, which could occur when the MIDI2CV8 is not a power supply for some other devices too (as with the P9700S) and in situations where it is powered from an external DC supply in a 15-18V range, pin 7 can be disconnected from the negative supply connection and connected with the 0V ground used by pin 8. If IC13 were passing negative voltages, pin 7 would have to have the negative supply, but working to provide positive V.C. only, it is acceptable to be at zero volts.

The “X” in the board image above is a cut to the trace connecting the negative DC supply to pin 7. Many boards were provided with the cut and a piece of 30ga. wire to link the pin 7 and 8 pads. If making the change on an older board, just lay a piece of tinned bare wire to span pins 7 and 8 and touch it with a hot iron tip to flow the solder on the pins and the wire link. Boards since April of 2011 are now made with this update in place.



Solder side of 9700 MIDI2CV8 printed-circuit-board with a circle where the negative supply to pin 7 can be cut and an arc where pins 7 and 8 can be linked on IC13.



MIDI2CV8 boards made after April 2011 have the IC13p7p8 update in place as shown above.